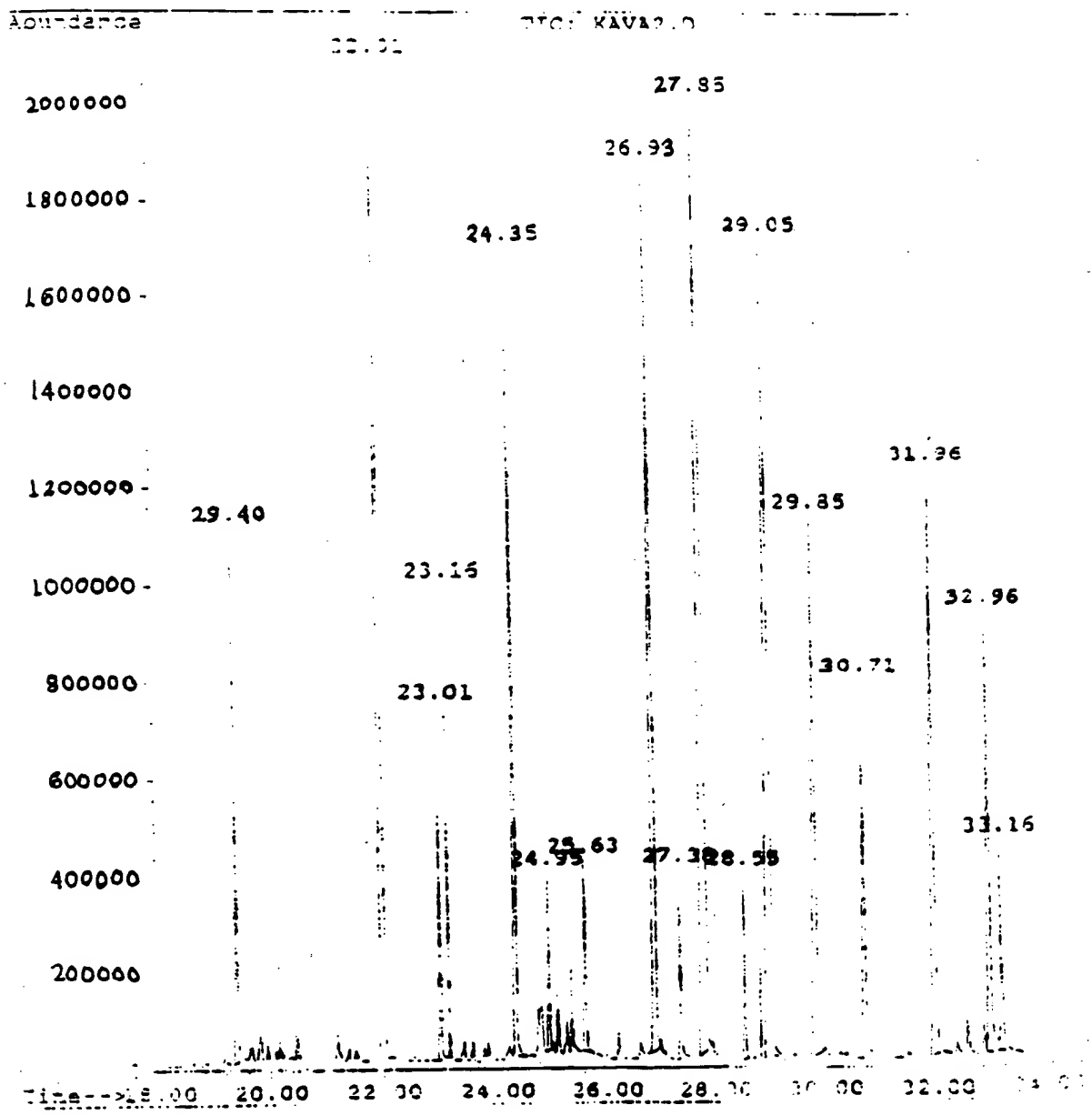


Figure 1

DATA: HPCHROM1 DATA KAVA2.D  
 Operator : mehdi  
 Acquired : 28 May 98 1:23 pm using AcqMethod KAVAMAK  
 Instrument : 5972 - GC  
 Sample Name: Kava Extract pure CO2 350 atm 60C 60min 2m  
 1st ext  
 2nd ext

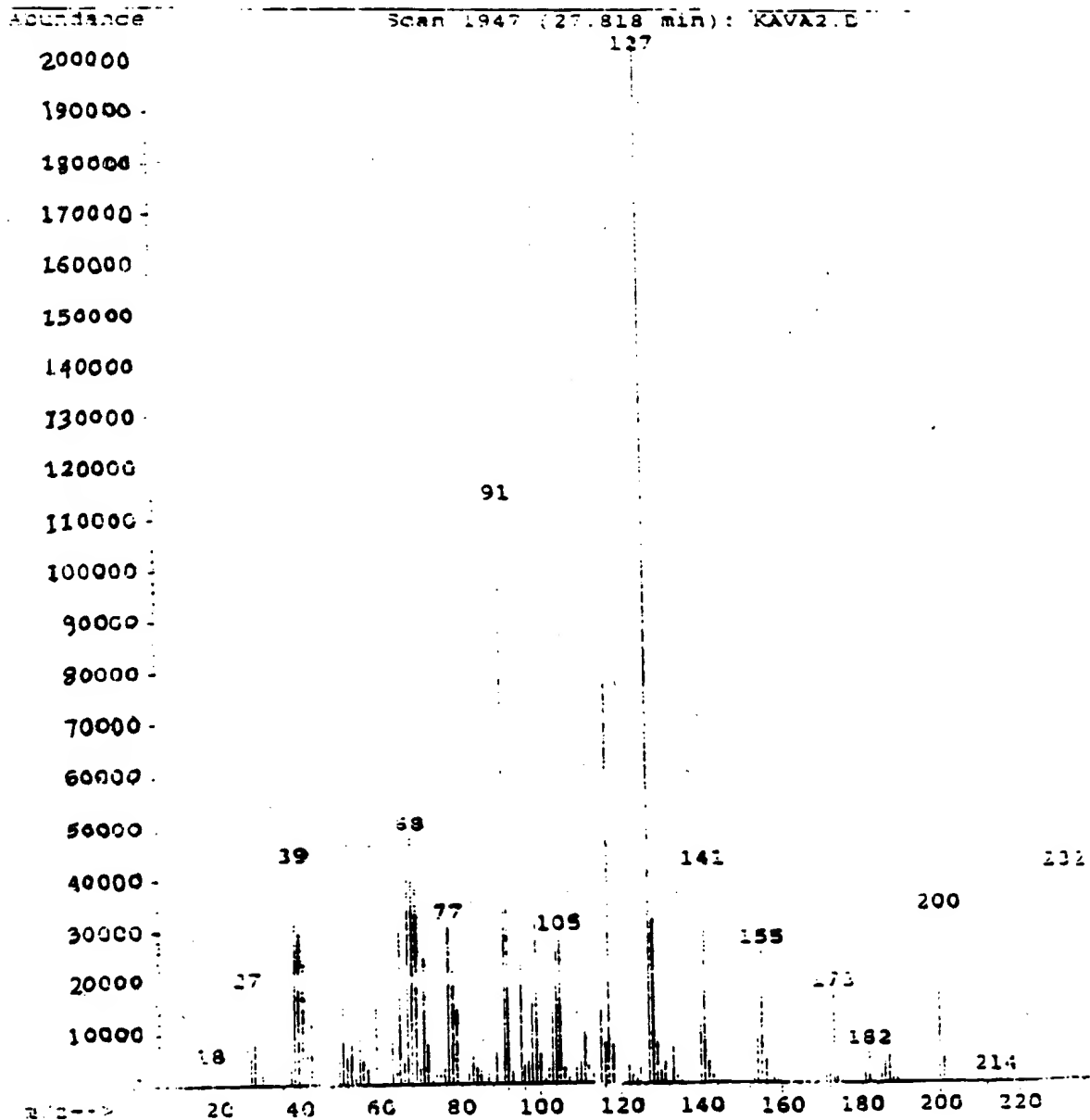
300 us 1000000 2000000 4000000 6000000 8000000 10000000 12000000 14000000 16000000 18000000 20000000



000000 640000 1280000 1920000 2560000 3200000 3840000 4480000 5120000 5760000 6400000 7040000 7680000 8320000 8960000 9600000 10240000 10880000 11520000 12160000 12800000 13440000 14080000 14720000 15360000 16000000 16640000 17280000 17920000 18560000 19200000 19840000 20480000 21120000 21760000 22400000 23040000 23680000 24320000 24960000 25600000 26240000 26880000 27520000 28160000 28800000 29440000 30080000 30720000 31360000 32000000 32640000 33280000 33920000 34560000 35200000 35840000 36480000 37120000 37760000 38400000 39040000 39680000 40320000 40960000 41600000 42240000 42880000 43520000 44160000 44800000 45440000 46080000 46720000 47360000 48000000 48640000 49280000 49920000 50560000 51200000 51840000 52480000 53120000 53760000 54400000 55040000 55680000 56320000 56960000 57600000 58240000 58880000 59520000 60160000 60800000 61440000 62080000 62720000 63360000 64000000 64640000 65280000 65920000 66560000 67200000 67840000 68480000 69120000 69760000 70400000 71040000 71680000 72320000 72960000 73600000 74240000 74880000 75520000 76160000 76800000 77440000 78080000 78720000 79360000 80000000 80640000 81280000 81920000 82560000 83200000 83840000 84480000 85120000 85760000 86400000 87040000 87680000 88320000 88960000 89600000 90240000 90880000 91520000 92160000 92800000 93440000 94080000 94720000 95360000 96000000 96640000 97280000 97920000 98560000 99200000 99840000 100480000 101120000 101760000 102400000 103040000 103680000 104320000 104960000 105600000 106240000 106880000 107520000 108160000 108800000 109440000 110080000 110720000 111360000 112000000 112640000 113280000 113920000 114560000 115200000 115840000 116480000 117120000 117760000 118400000 119040000 119680000 120320000 120960000 121600000 122240000 122880000 123520000 124160000 124800000 125440000 126080000 126720000 127360000 128000000 128640000 129280000 129920000 130560000 131200000 131840000 132480000 133120000 133760000 134400000 135040000 135680000 136320000 136960000 137600000 138240000 138880000 139520000 140160000 140800000 141440000 142080000 142720000 143360000 144000000 144640000 145280000 145920000 146560000 147200000 147840000 148480000 149120000 149760000 150400000 151040000 151680000 152320000 152960000 153600000 154240000 154880000 155520000 156160000 156800000 157440000 158080000 158720000 159360000 160000000 160640000 161280000 161920000 162560000 163200000 163840000 164480000 165120000 165760000 166400000 167040000 167680000 168320000 168960000 169600000 170240000 170880000 171520000 172160000 172800000 173440000 174080000 174720000 175360000 176000000 176640000 177280000 177920000 178560000 179200000 179840000 180480000 181120000 181760000 182400000 183040000 183680000 184320000 184960000 185600000 186240000 186880000 187520000 188160000 188800000 189440000 190080000 190720000 191360000 192000000 192640000 193280000 193920000 194560000 195200000 195840000 196480000 197120000 197760000 198400000 199040000 199680000 200320000 200960000 201600000 202240000 202880000 203520000 204160000 204800000 205440000 206080000 206720000 207360000 208000000 208640000 209280000 209920000 210560000 211200000 211840000 212480000 213120000 213760000 214400000 215040000 215680000 216320000 216960000 217600000 218240000 218880000 219520000 220160000 220800000 221440000 222080000 222720000 223360000 224000000 224640000 225280000 225920000 226560000 227200000 227840000 228480000 229120000 229760000 230400000 231040000 231680000 232320000 232960000 233600000 234240000 234880000 235520000 236160000 236800000 237440000 238080000 238720000 239360000 240000000 240640000 241280000 241920000 242560000 243200000 243840000 244480000 245120000 245760000 246400000 247040000 247680000 248320000 248960000 249600000 250240000 250880000 251520000 252160000 252800000 253440000 254080000 254720000 255360000 256000000 256640000 257280000 257920000 258560000 259200000 259840000 260480000 261120000 261760000 262400000 263040000 263680000 264320000 264960000 265600000 266240000 266880000 267520000 268160000 268800000 269440000 270080000 270720000 271360000 272000000 272640000 273280000 273920000 274560000 275200000 275840000 276480000 277120000 277760000 278400000 279040000 279680000 280320000 280960000 281600000 282240000 282880000 283520000 284160000 284800000 285440000 286080000 286720000 287360000 288000000 288640000 289280000 289920000 290560000 291200000 291840000 292480000 293120000 293760000 294400000 295040000 295680000 296320000 296960000 297600000 298240000 298880000 299520000 300160000 300800000 301440000 302080000 302720000 303360000 304000000 304640000 305280000 305920000 306560000 307200000 307840000 308480000 309120000 309760000 310400000 311040000 311680000 312320000 312960000 313600000 314240000 314880000 315520000 316160000 316800000 317440000 318080000 318720000 319360000 320000000 320640000 321280000 321920000 322560000 323200000 323840000 324480000 325120000 325760000 326400000 327040000 327680000 328320000 328960000 329600000 330240000 330880000 331520000 332160000 332800000 333440000 334080000 334720000 335360000 336000000 336640000 337280000 337920000 338560000 339200000 339840000 340480000 341120000 341760000 342400000 343040000 343680000 344320000 344960000 345600000 346240000 346880000 347520000 348160000 348800000 349440000 350080000 350720000 351360000 352000000 352640000 353280000 353920000 354560000 355200000 355840000 356480000 357120000 357760000 358400000 359040000 359680000 360320000 360960000 361600000 362240000 362880000 363520000 364160000 364800000 365440000 366080000 366720000 367360000 368000000 368640000 369280000 369920000 370560000 371200000 371840000 372480000 373120000 373760000 374400000 375040000 375680000 376320000 376960000 377600000 378240000 378880000 379520000 380160000 380800000 381440000 382080000 382720000 383360000 384000000 384640000 385280000 385920000 386560000 387200000 387840000 388480000 389120000 389760000 390400000 391040000 391680000 392320000 392960000 393600000 394240000 394880000 395520000 396160000 396800000 397440000 398080000 398720000 399360000 400000000

Figure 2

File: C:\HPCHEM\1\DATA\KAVA2.D  
 Operator: Mehdi  
 Acquired: 28 May 98 1:23 pm using AcqMethod KAVAMAX  
 Instrument: 5972 - GC  
 Sample Name: Kava Extract pure CO2 150 atm, 60C, 60min, 2m  
 Misc Info: 1st ext  
 Vial Number: 76



SEARCHED 07 BASE\WILEY.L

የጋራ

Figure 3

Scan 2044 29.003 min.: KAVA2.0 (\*)

३३ ३६

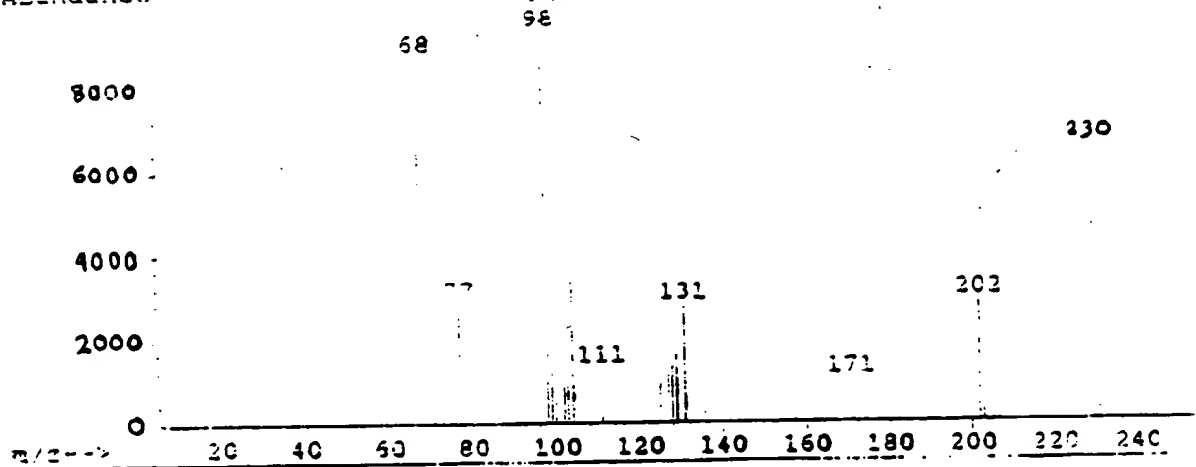
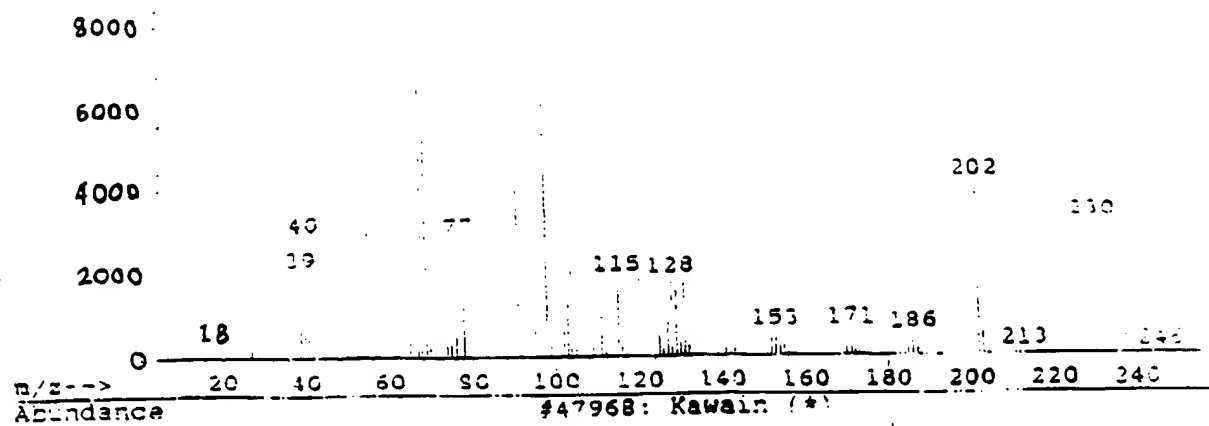


Figure 4

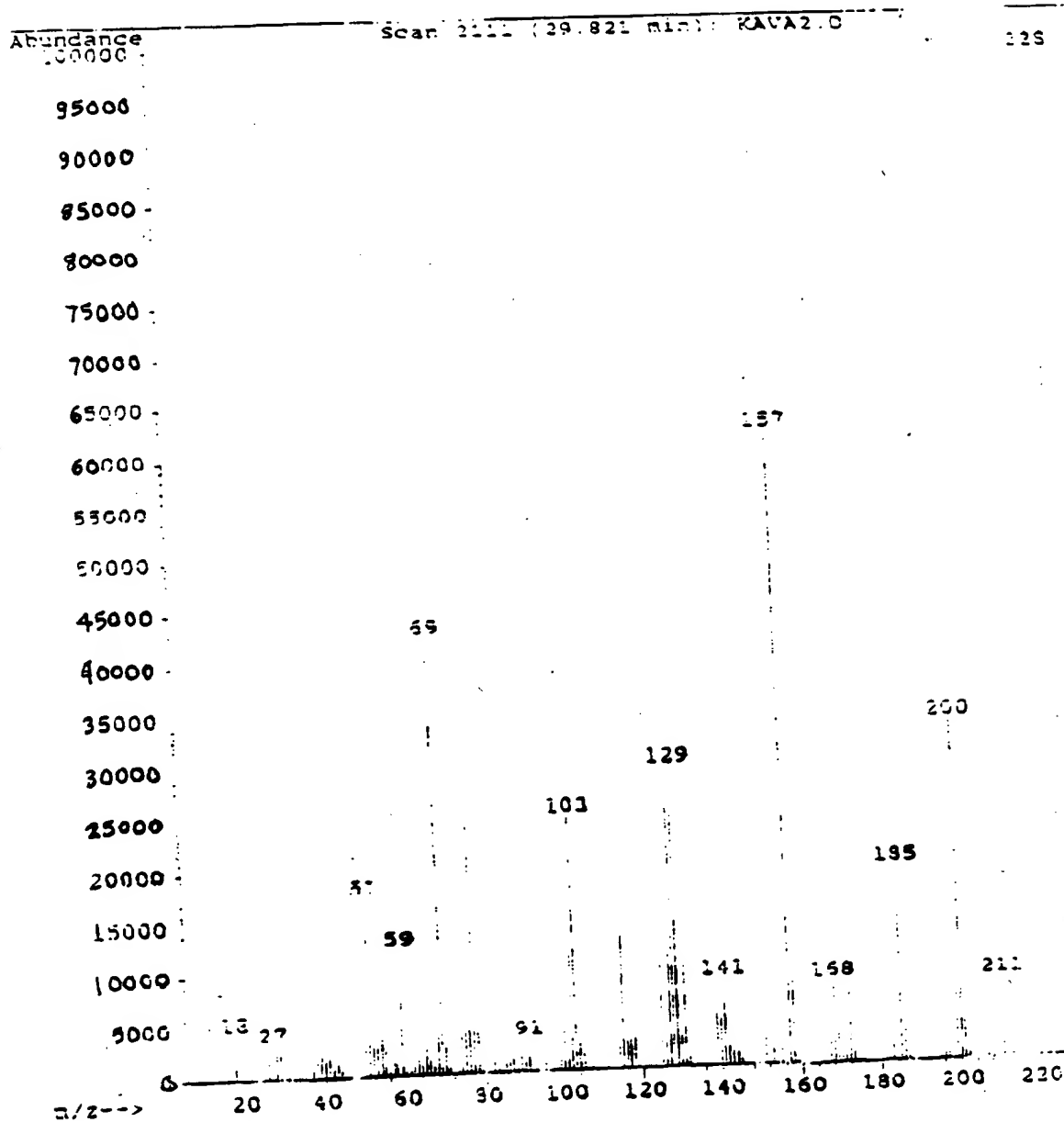


Figure 5

Operator : mehdi  
 Acquired : 28 May 98 1:23 pm using AcqMethod KAVAMAK  
 Instrument : 5972 - GC  
 Sample Name: Kava Extract pure CO2 350 atm 60C. 60min. 2m  
 Mass Info : 1st ext  
 Mass Number: 76

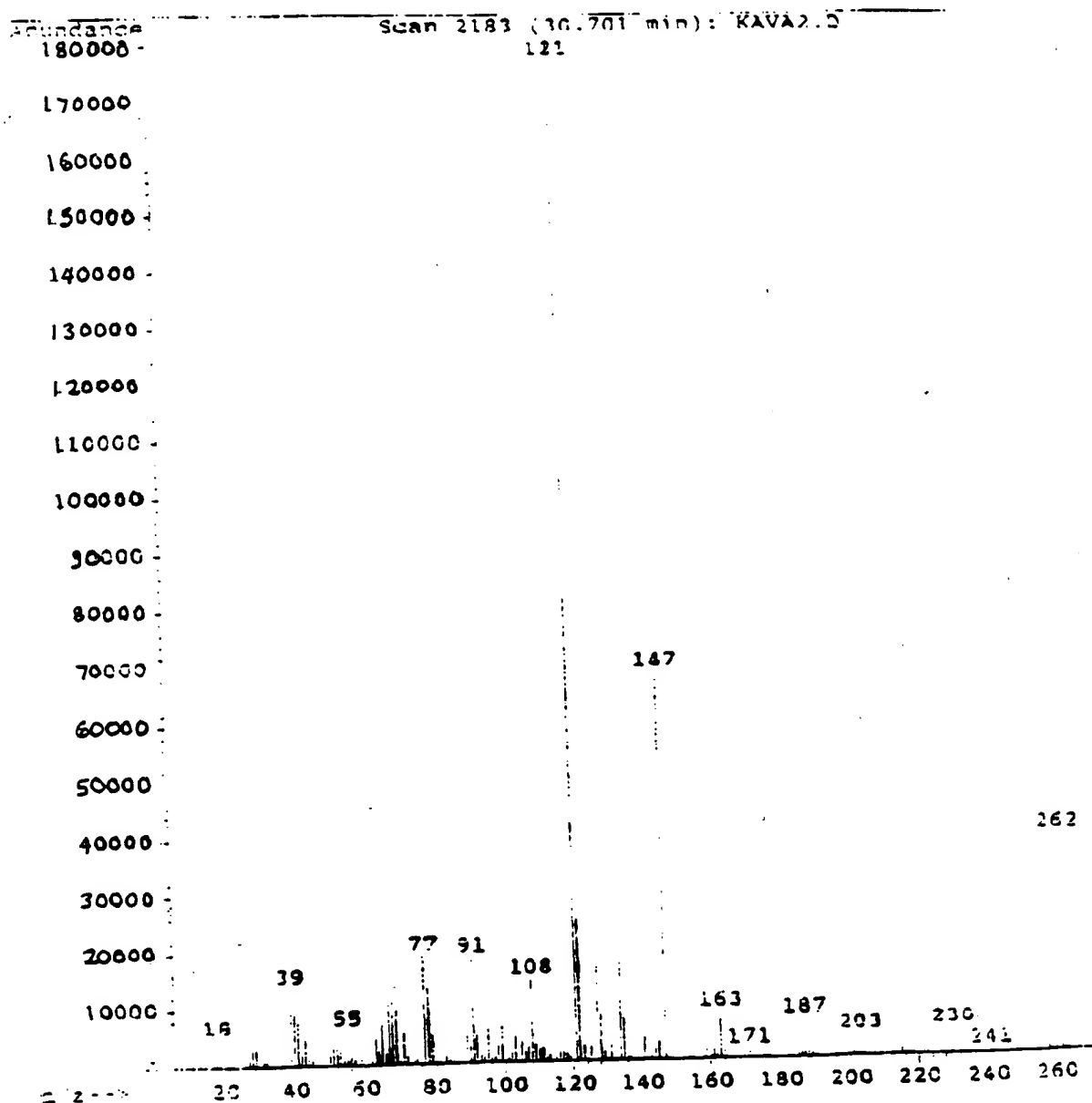
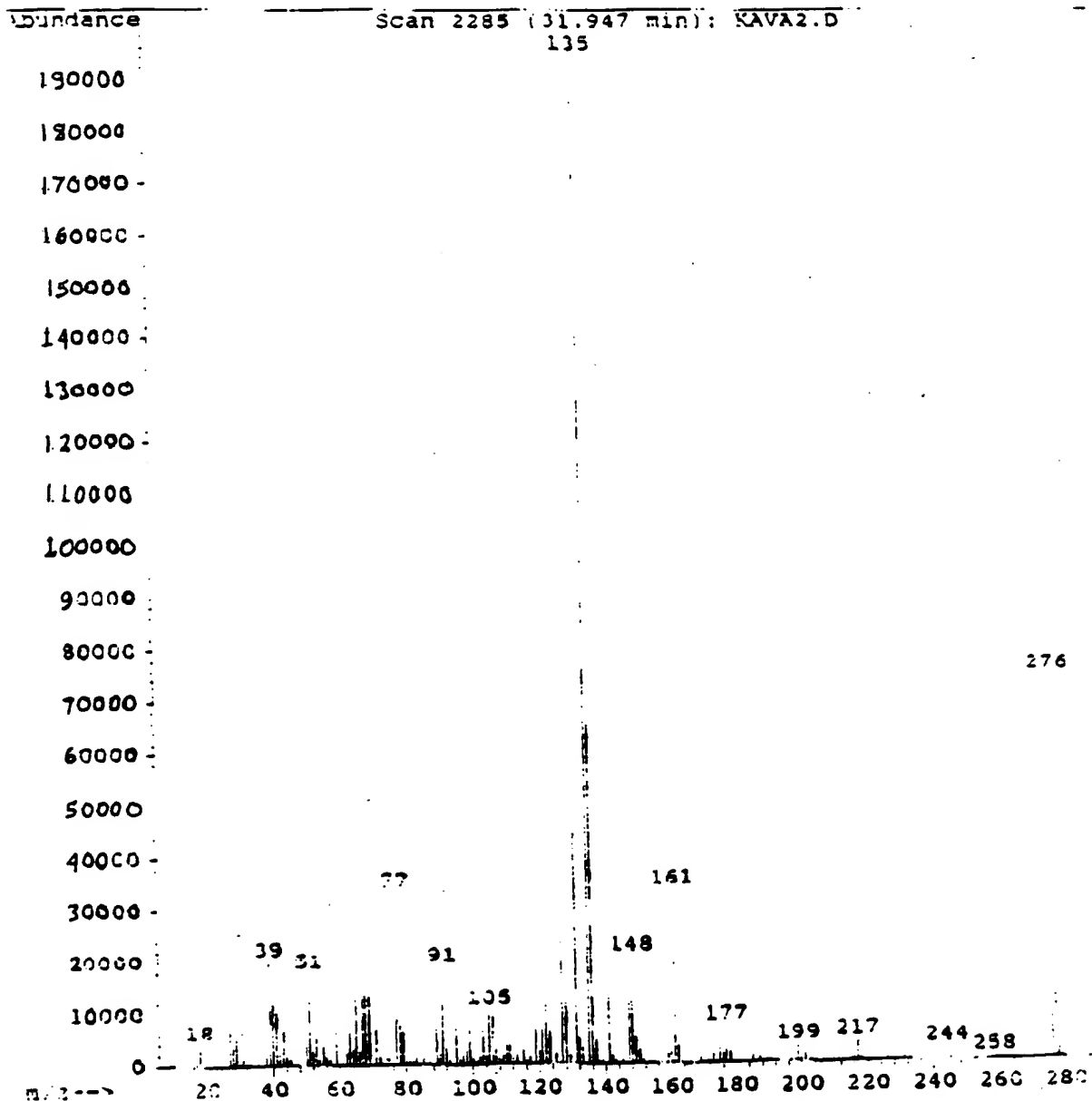


Figure 6

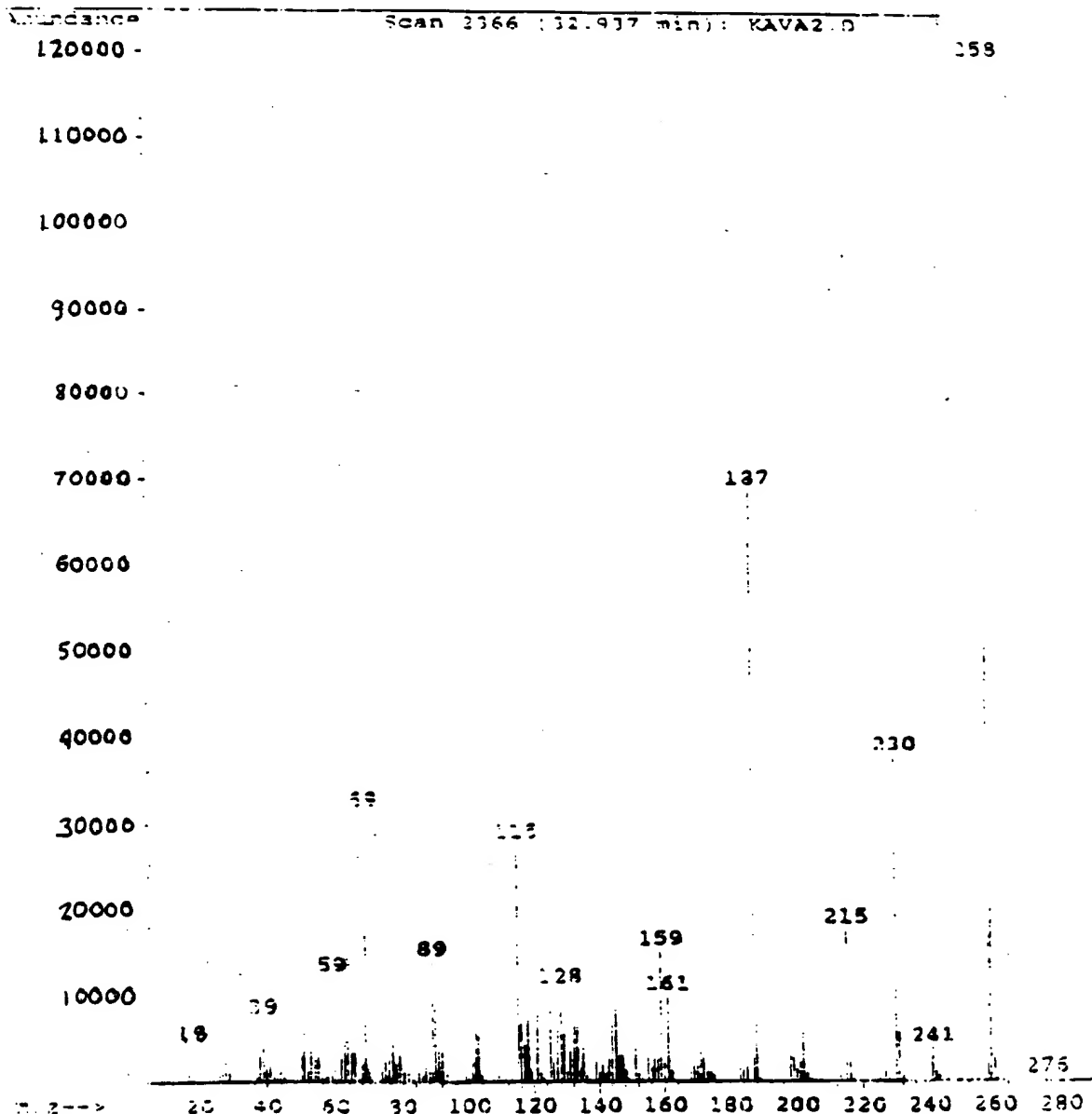
File: C:\HPCHEM\1\DATA\KAVA2.D  
 Operator: Mehdi  
 Date: 28 May 98 11:23 am using AcqMethod KAVAMAK  
 Instrument: 5972 - GC  
 Sample Name: Kava Extract pure 002 350 atm .60C. 60min.2m  
 File Info: 1st ext  
 File Number: 76



009350 64887560

Figure 7

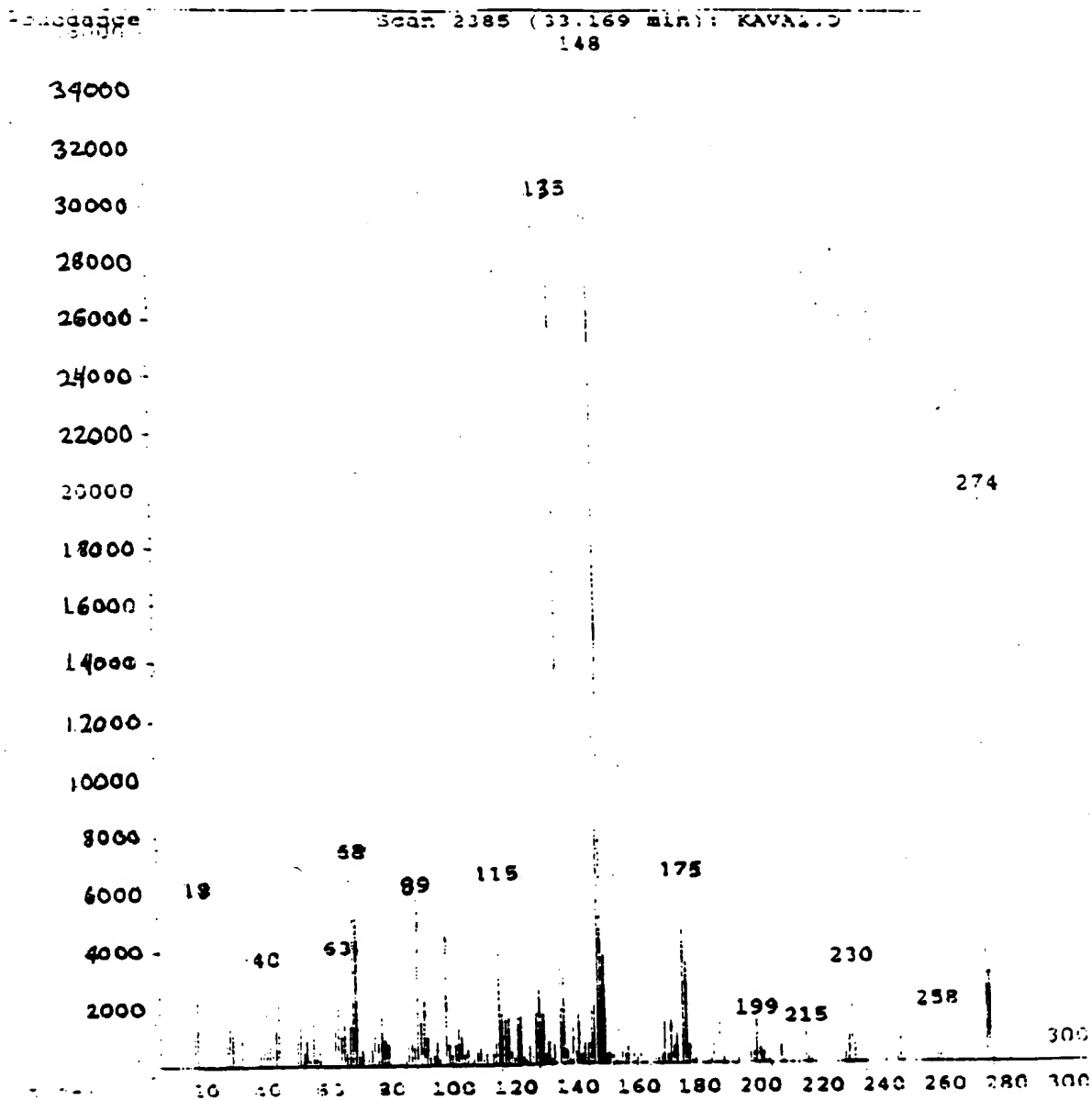
FILE : D:\HPCHEM\1\DATA\KAVA2.D  
 Operator : mendi  
 Acquired : 28 May 98 1:23 pm using AcqMethod KAVAMAK  
 Instrument : 5972 - GC  
 Sample Name: Kava Extract pure 002 150 atm 60C 60min 2m  
 1st ext  
 Run Number: 26



05972049-059600

Figure 8

File: C:\HPCHEM\1\DATA\KAVA1.D  
 Operator: mendi  
 Acquired: 29 May 98 11:23 pm using AcqMethod: KAVAMAX  
 Instrument: 5972 - GC  
 Sample Name: Kava Extract pure CO2 350 atm, 60C, 60min, 2m  
 Misc Info: 1st ext  
 Vial Number: 75

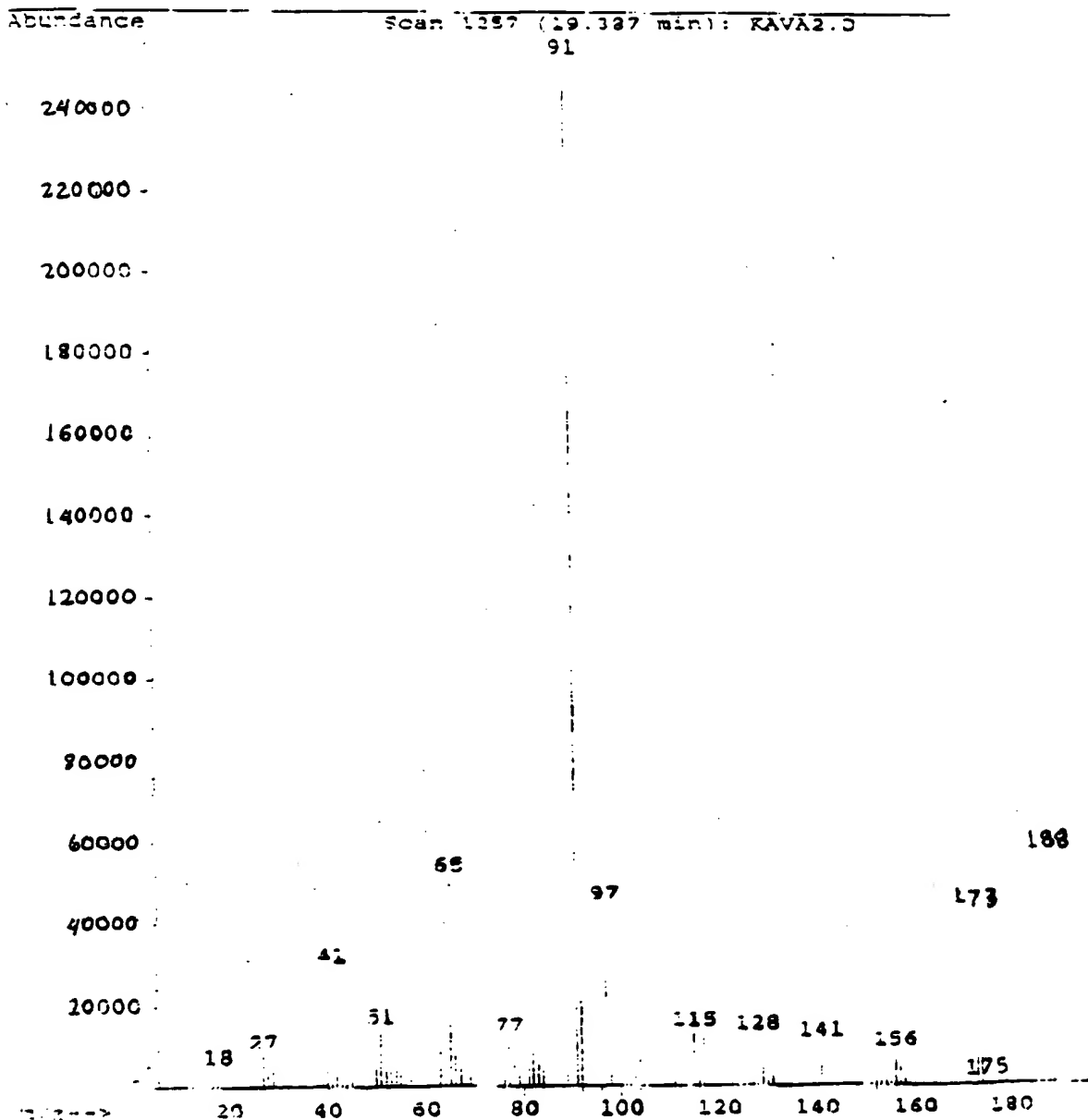


0044250 64987560



Figure 9

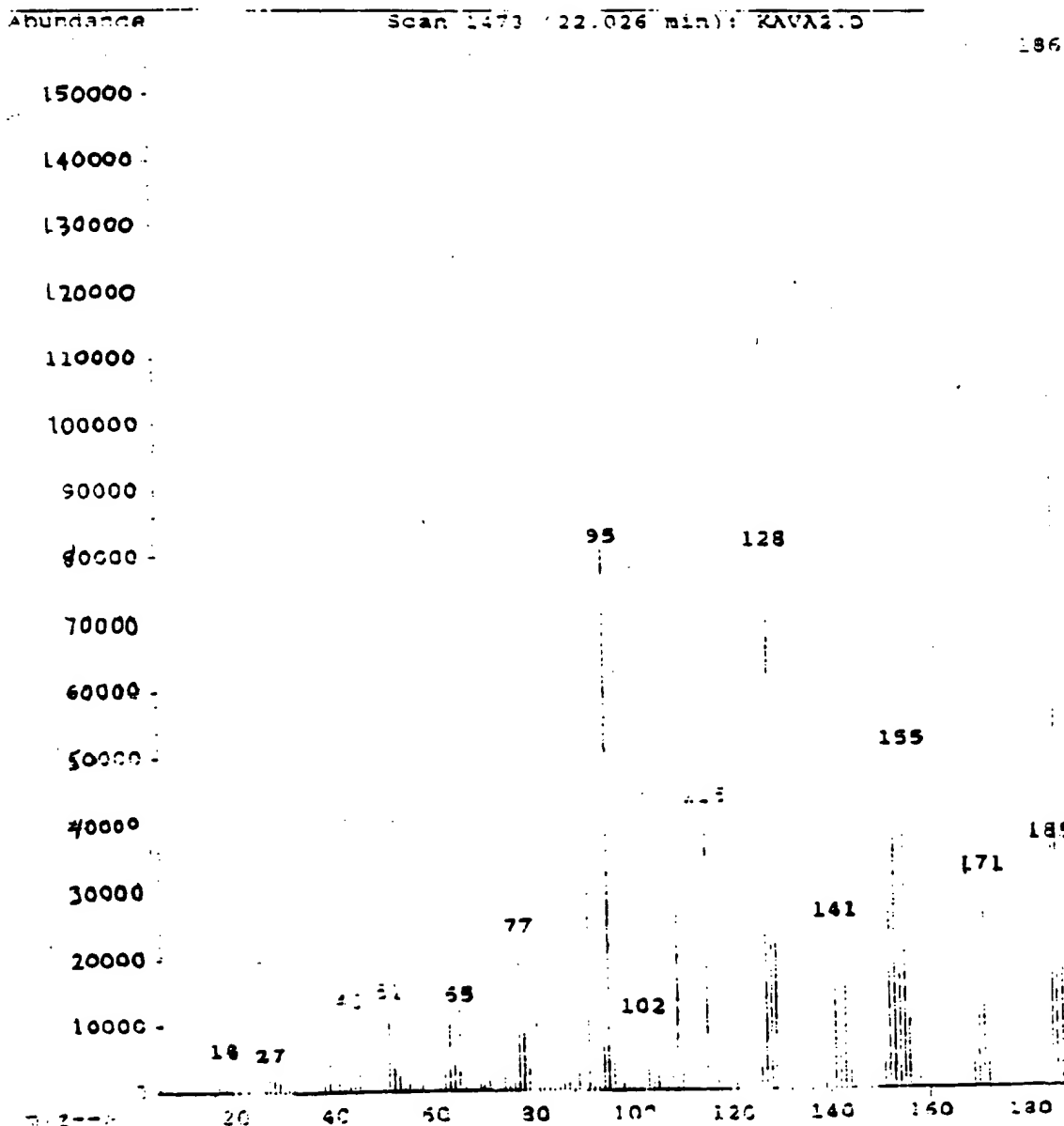
Operator : mehdi  
Date : 23 May 98 11:23 am using AcqMethod KAVAMAK  
Instrument : 5972 - GC  
Sample Name: Kava Extract pure CO2 350 atm , 60C, 60min, 2m  
Visc Info : 1st ext  
Scan Number: 16



003350 64887660

Figure 10

File: I:\HPCHEM\1\DATA\KAVA2.D  
 Operator: mendi  
 Acquired: 28 May 98 1:22 pm using AcqMethod KAVAMAK  
 Instrument: 5972 - GC  
 Sample Name: Kava Extract pure CO2 350 atm 60C 60min.2m  
 File Info: 1st ext  
 File Number: 75



009250 6499750

```
FILE          : C:\MSDCHEM\1\DATA\KAVAMAX.D
Operator      : Mendi
Acquired      : 23 May 98   11:33 am using AcqMethod: KAVAMAX
Contaminant   : 99-2 - GC
Sample Name   : Kava Extract pure CO2 350 atm 1600 60min.2m
Vial Info     : 1st ext
Vial Number   : 13
```

**Abstract**

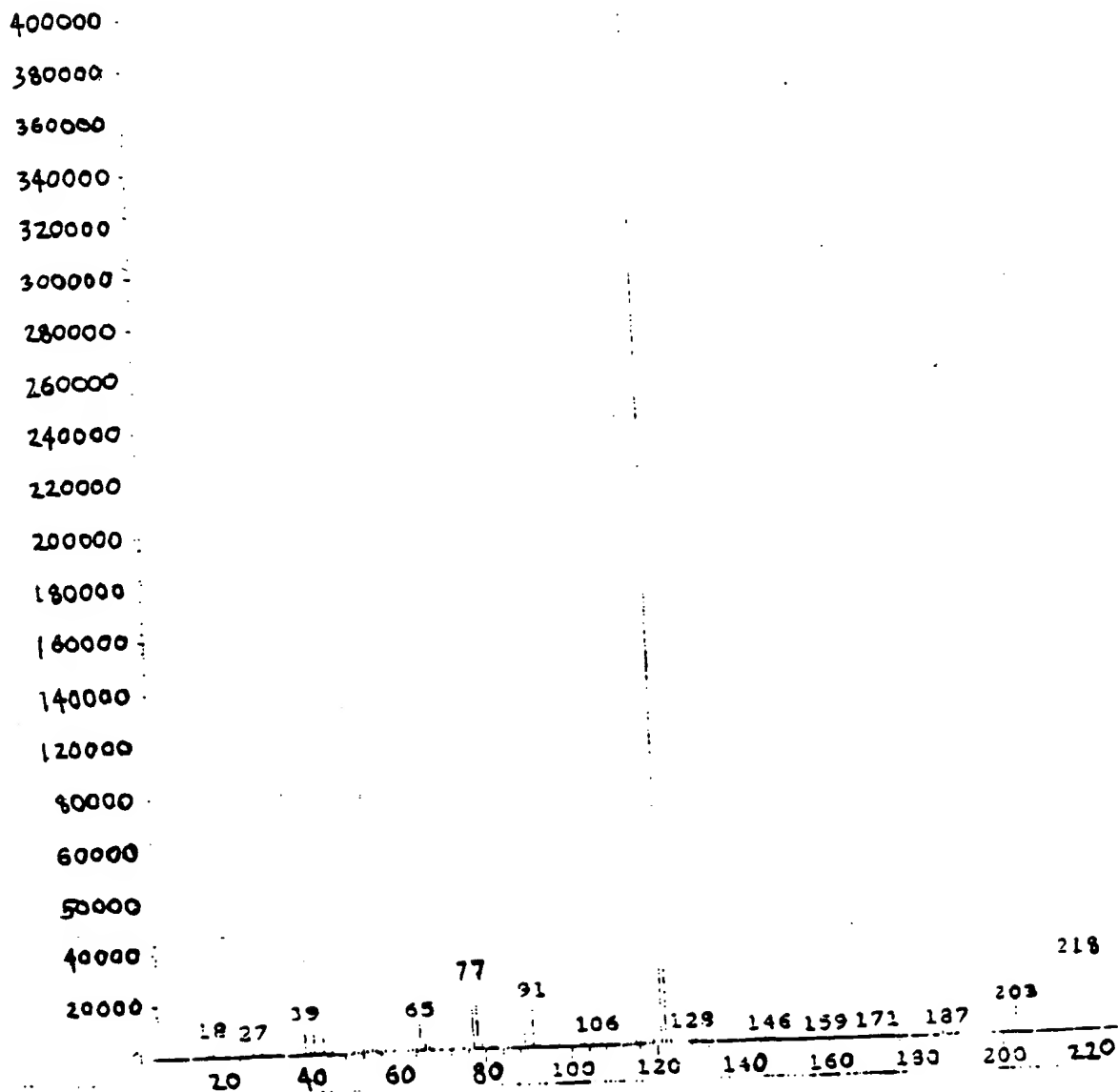
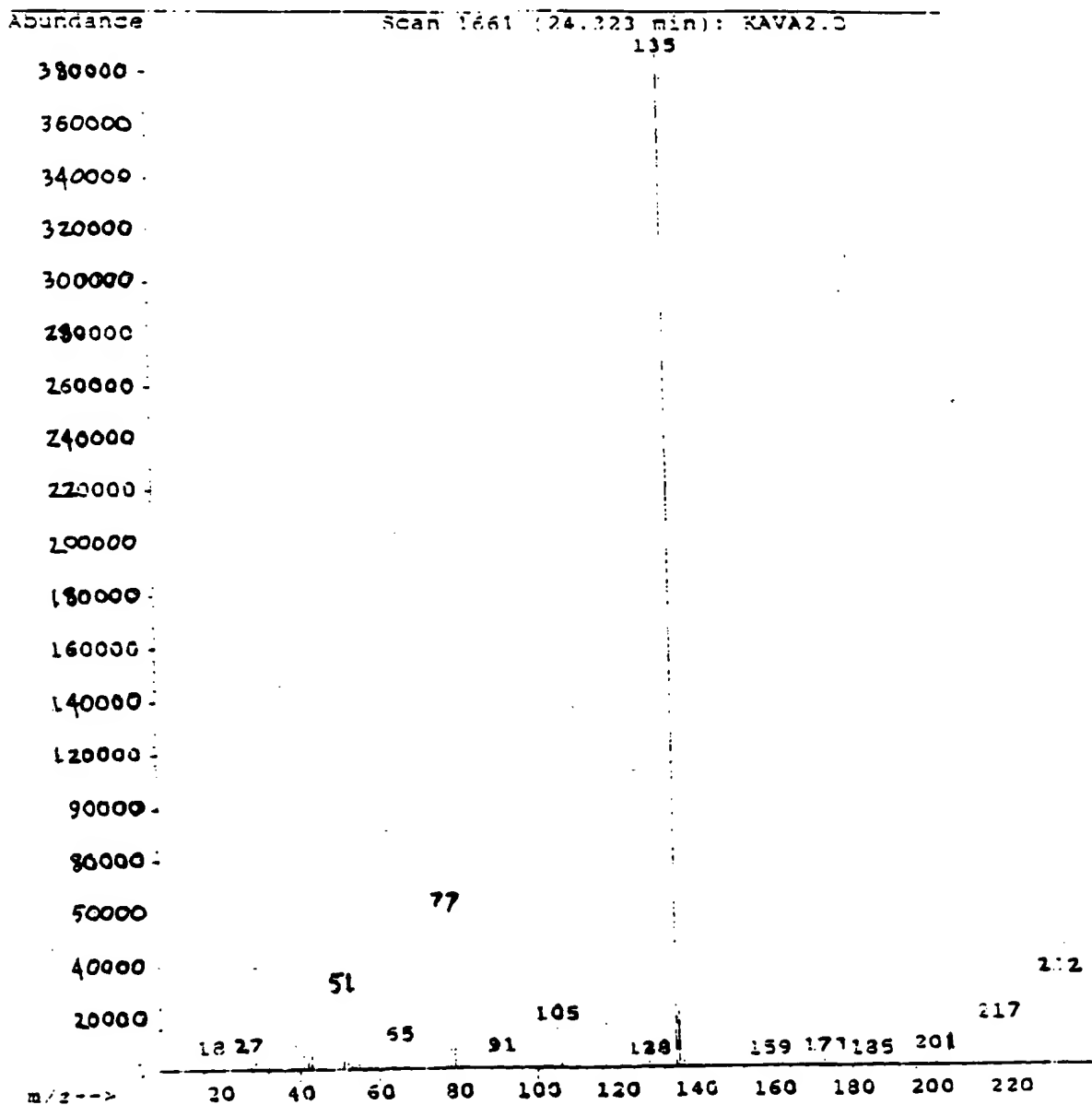


Figure 12

1: \HPCHEM\1\DATA\KAVA2.D  
 Operation: mehdi  
 Acquired: 28 May 98 1:23 pm using AcqMethod KAVAMAK  
 Instrument: 5972 - GC  
 Sample Name: Kava Extract pure CO2 150 atm 60C 60min.2a  
 Misc Info: 1st ext  
 File Number: 76



000000 54882560

```

Name: Kava
Date: 13 May 98
Instrument: 4970
Sample Name: Kava Extract pure CO2 150 atm 160C, 60min, 2m
Misc Info: 1st ext

```

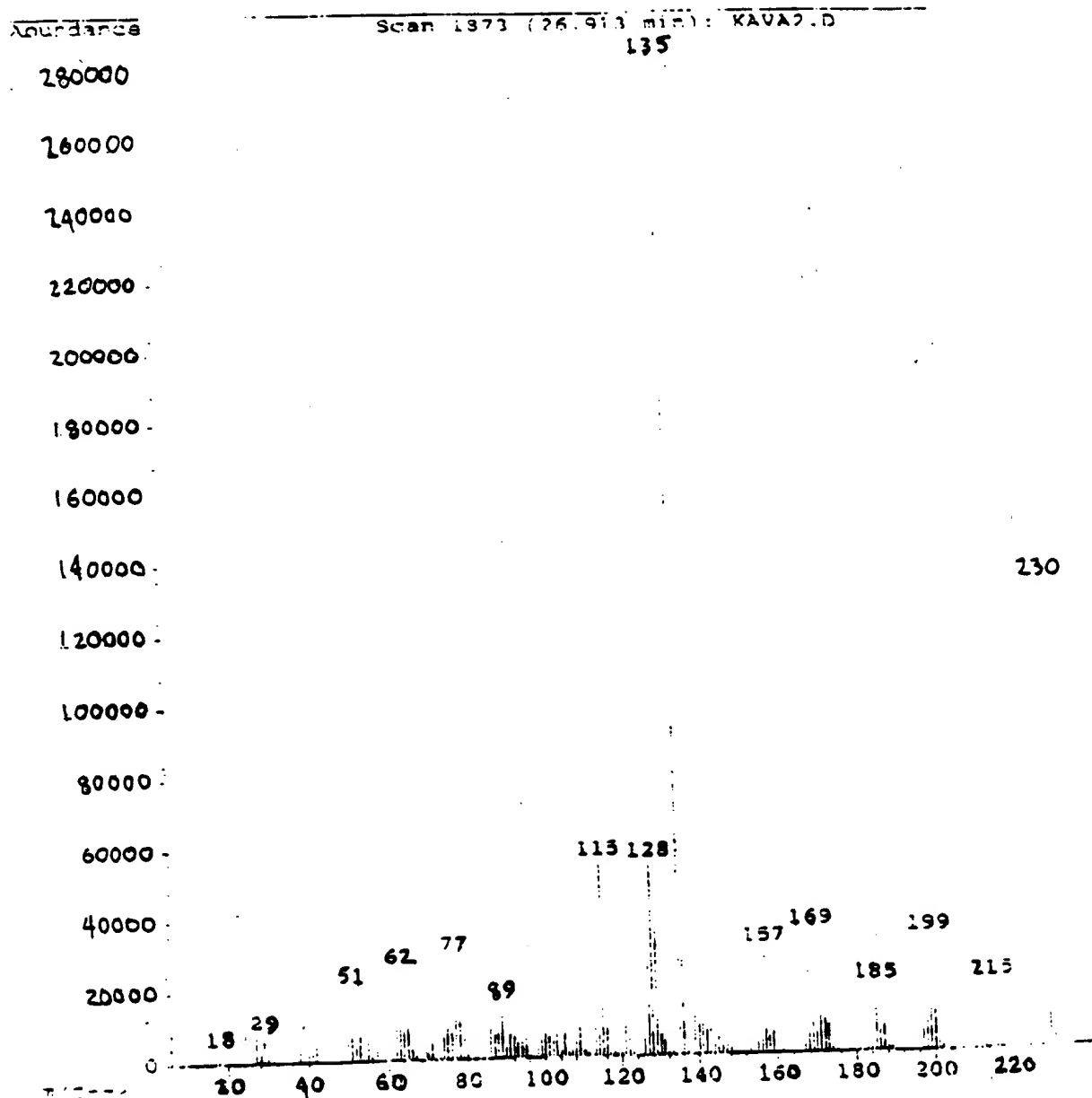
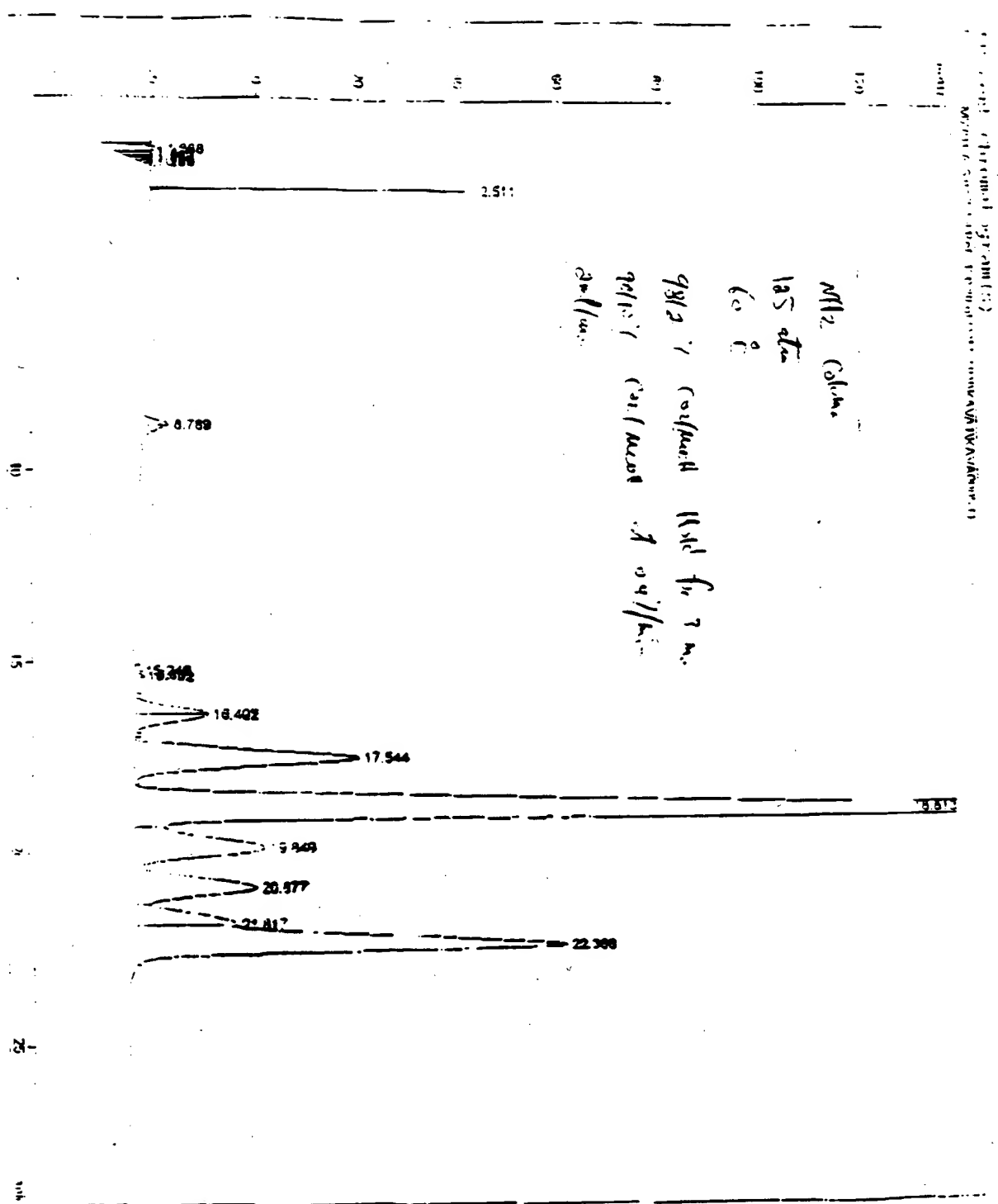


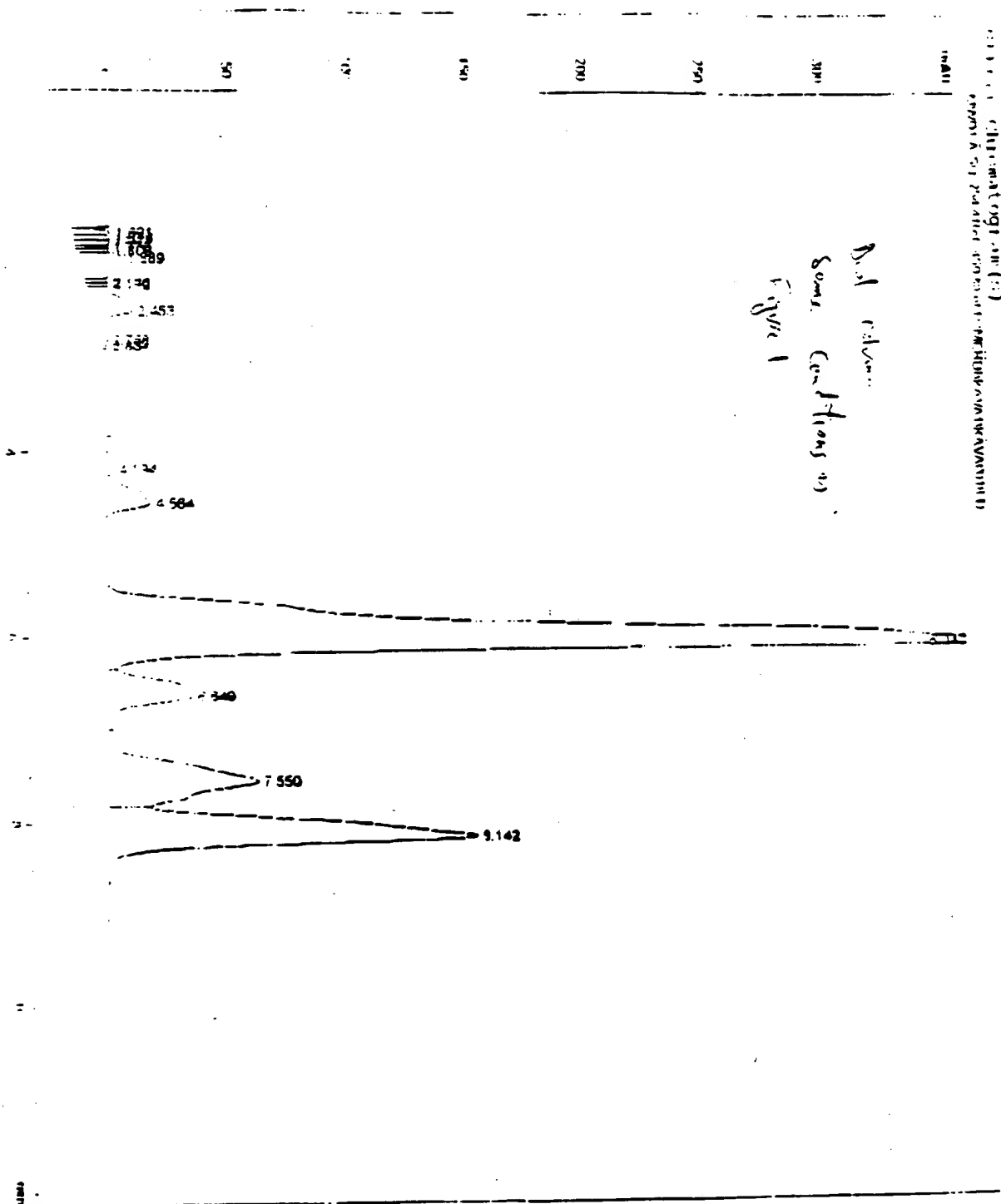


Figure 15



09570849 093000

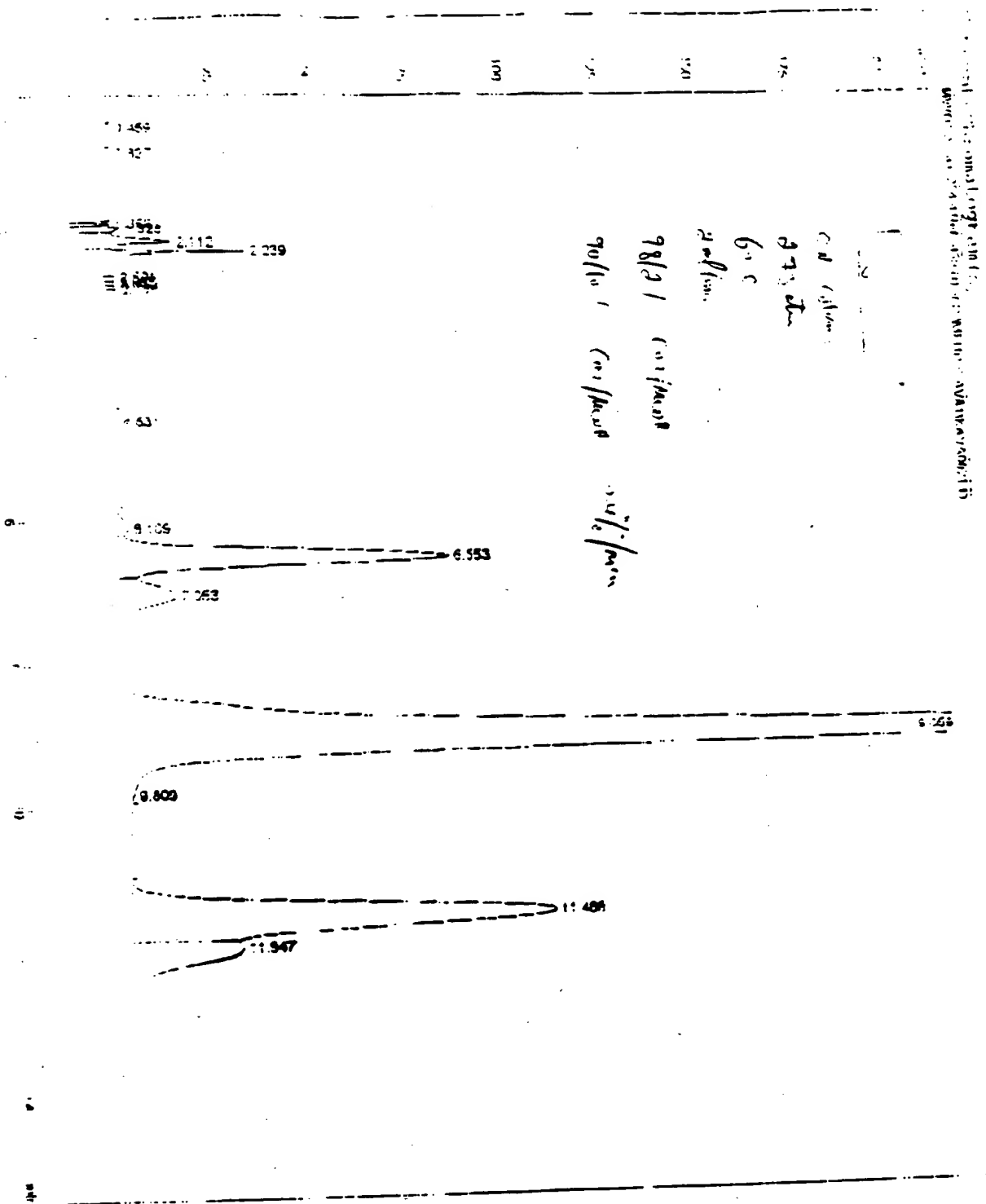
Figure 16



09070849 090900

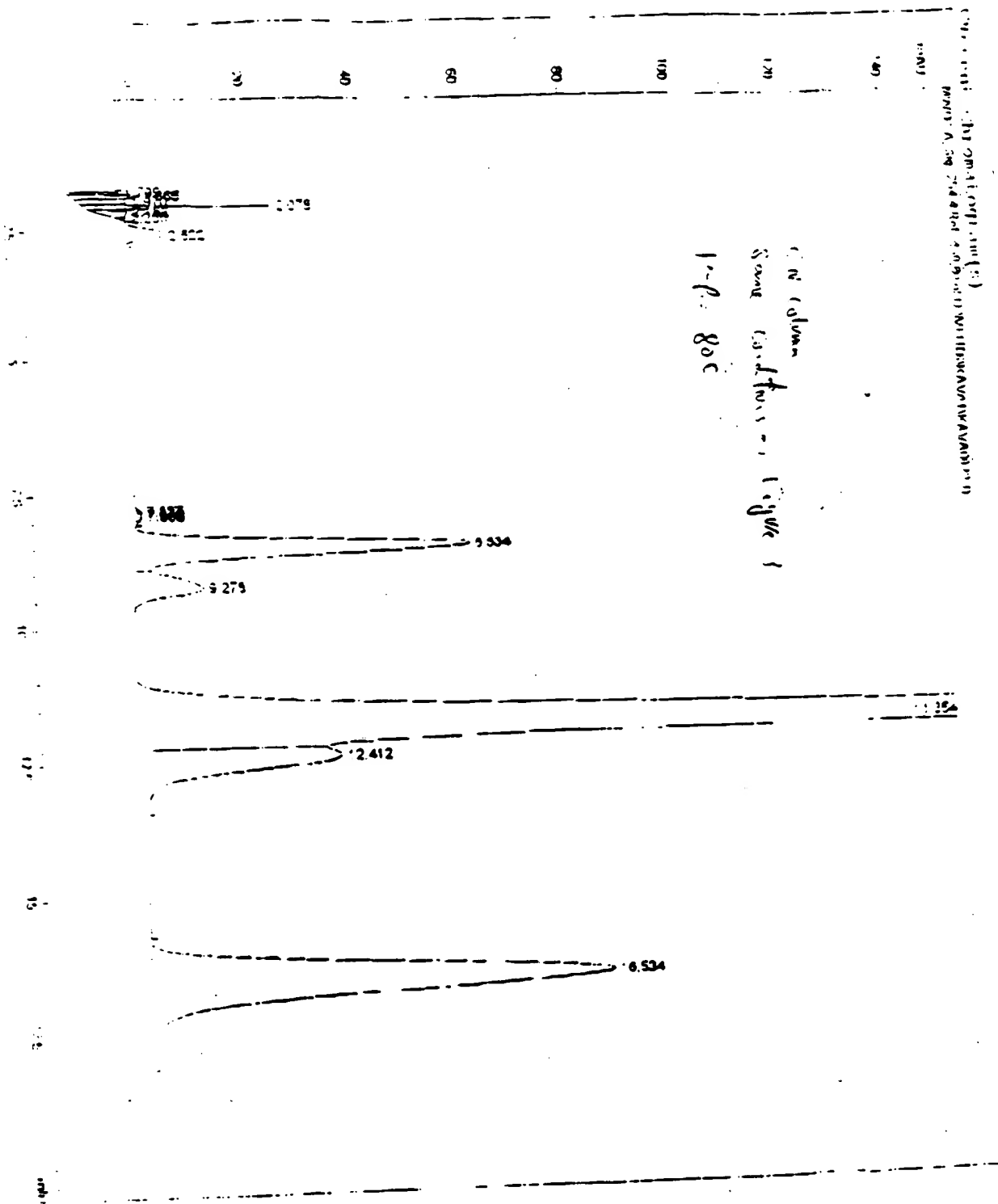


Figure 17



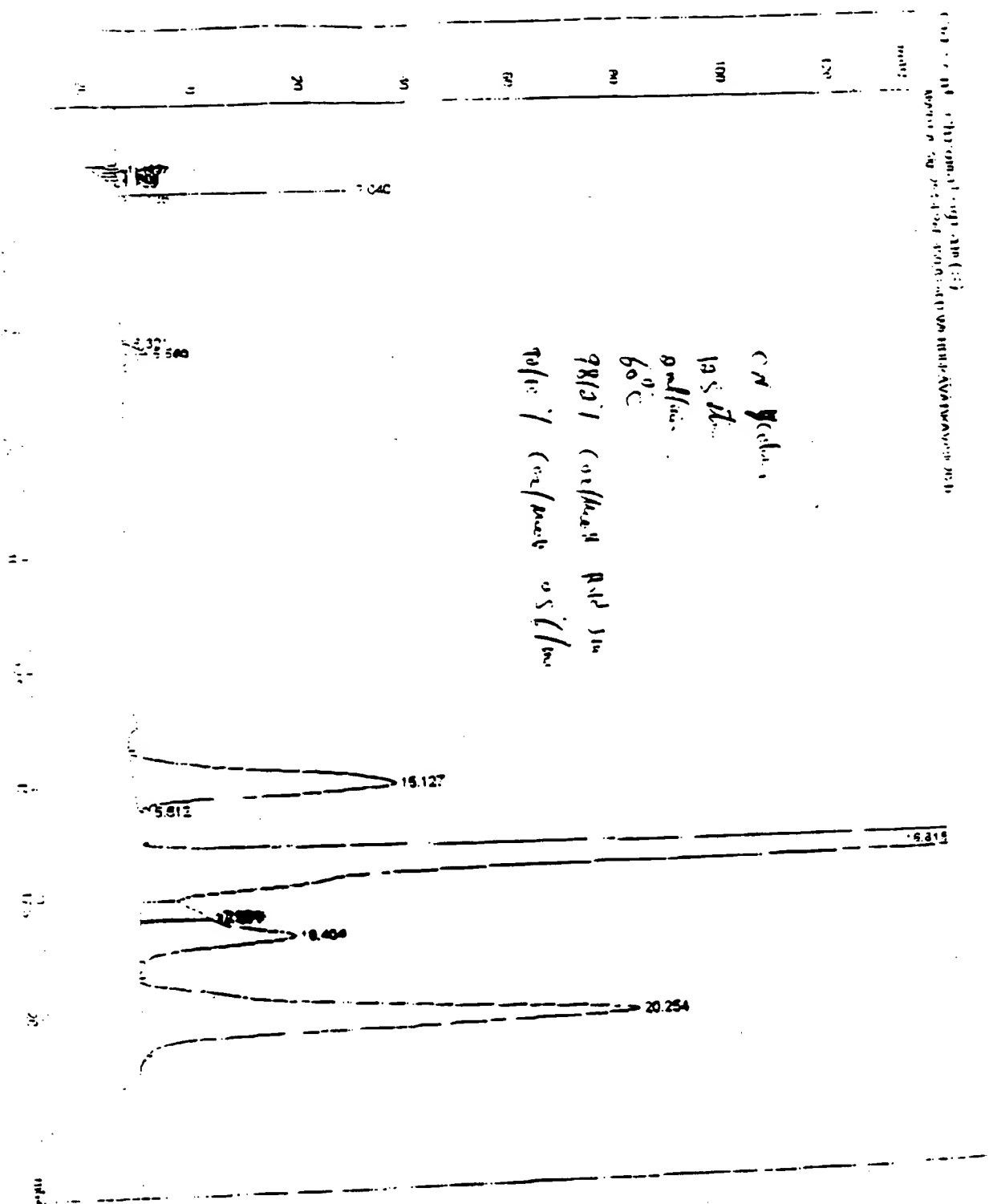
09576849 0956000

Figure 18



000000 64887660

Figure 19



09378849 092600

Figure 20

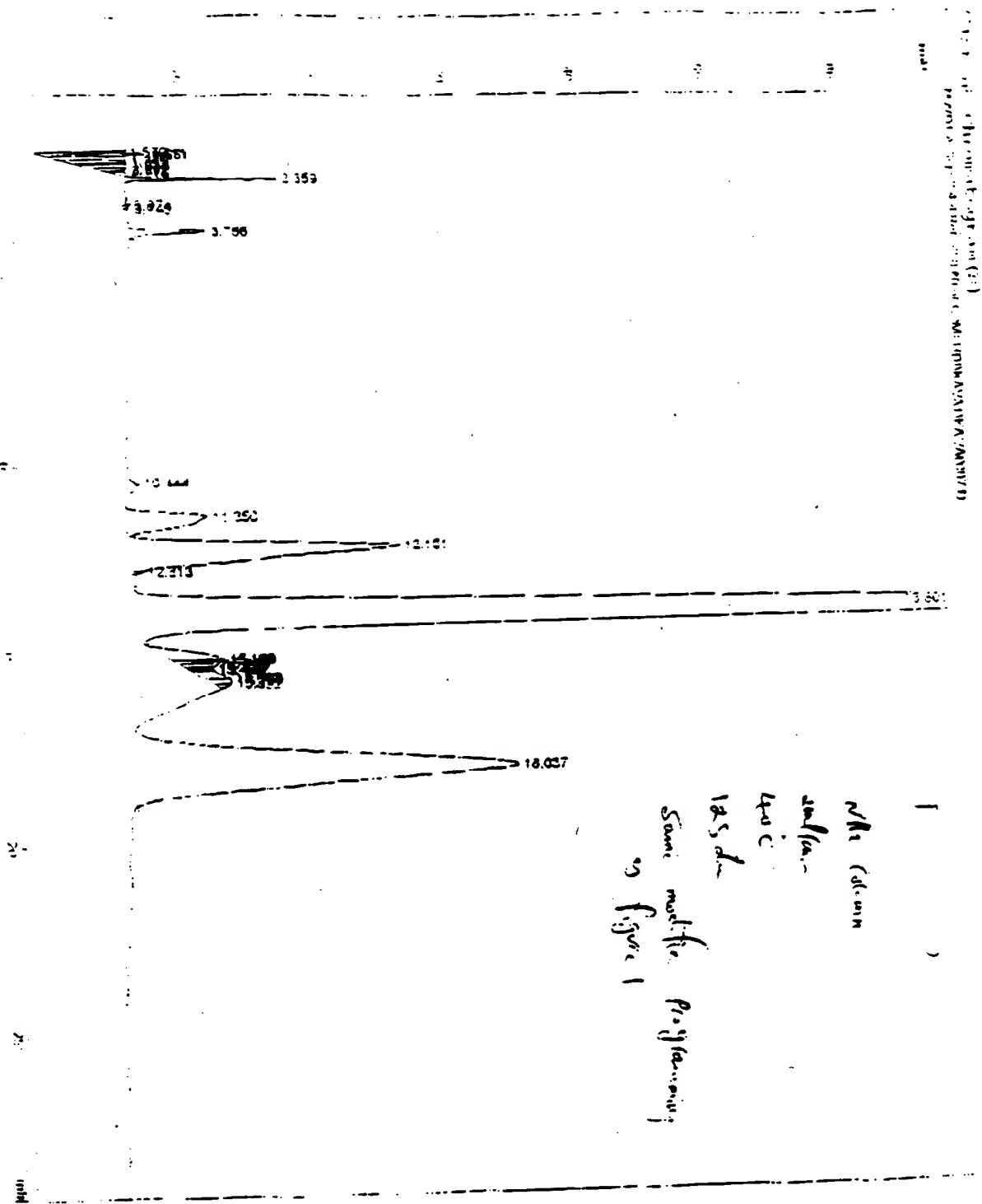
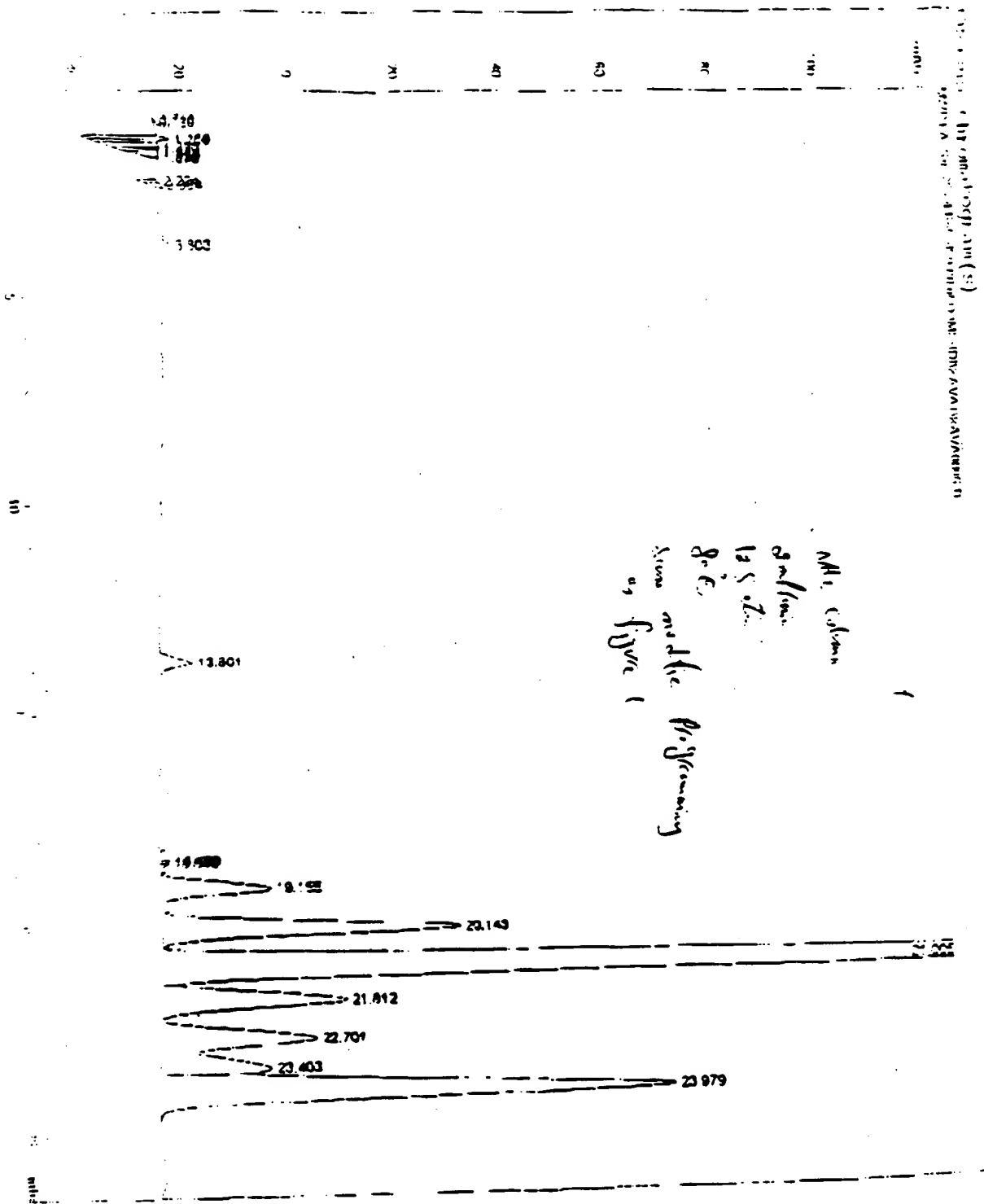
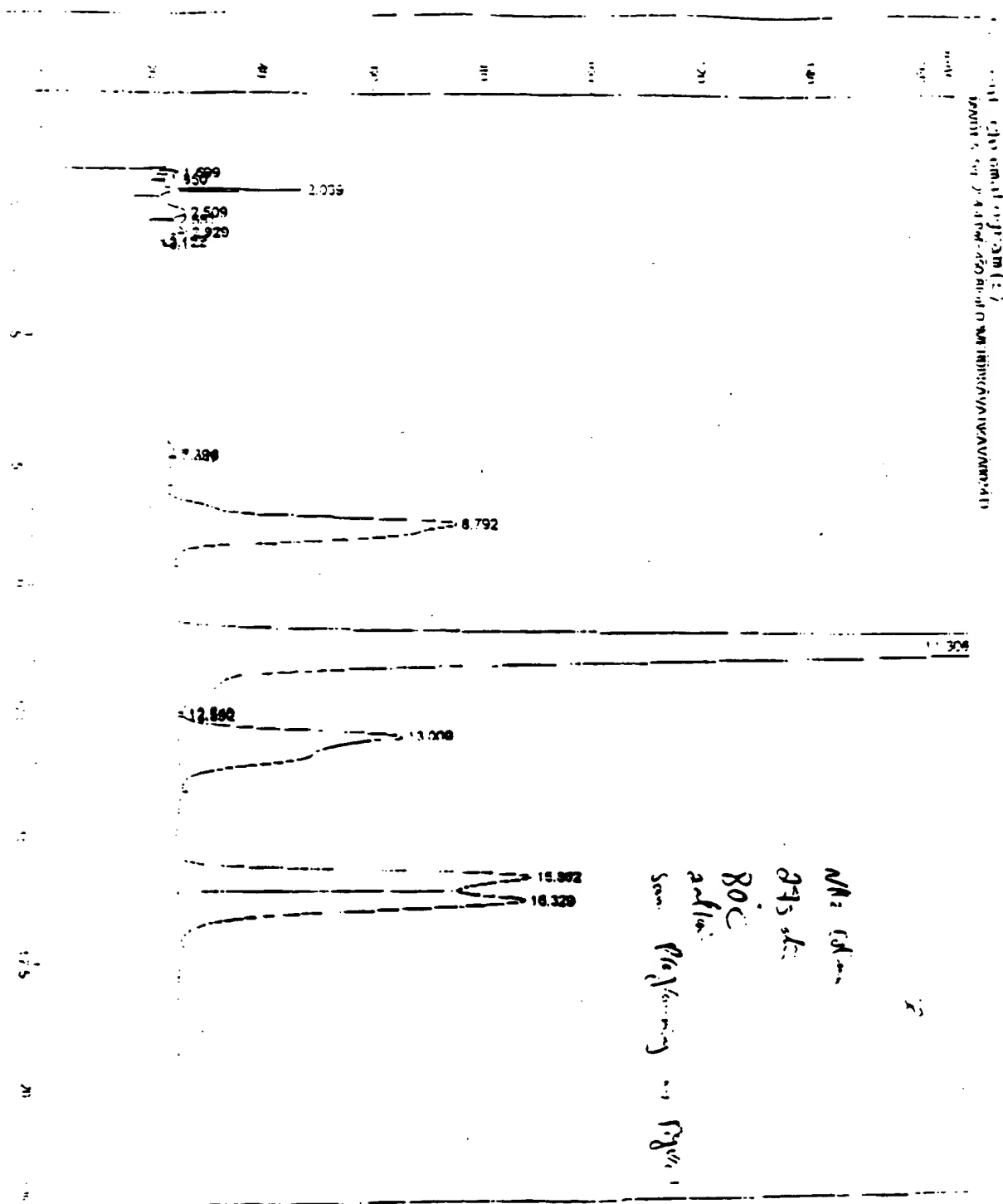


Figure 21



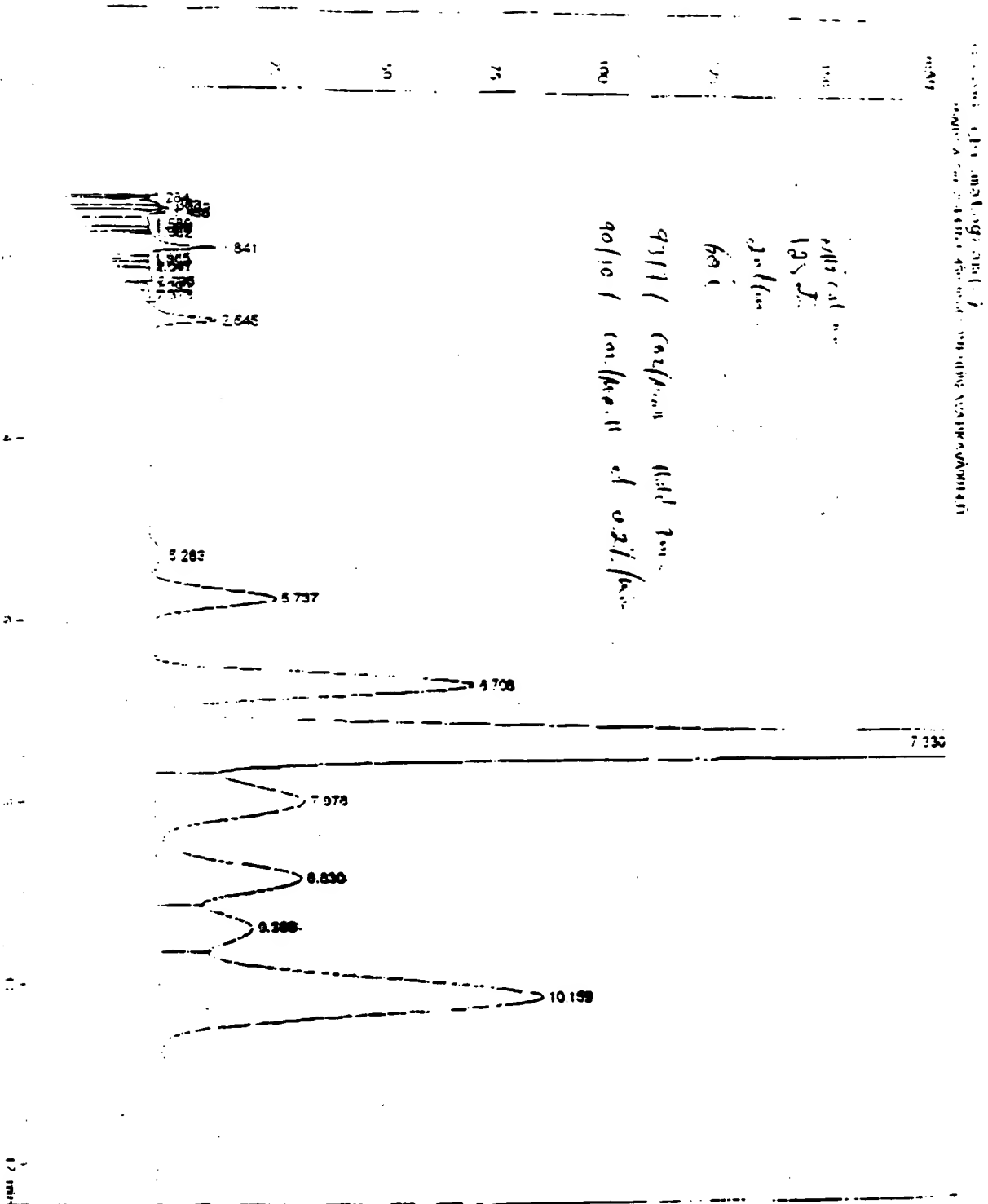
03576849 0356800

Figure 22



09070849 090600

Figure 23



05373349 0522000

Figure 24

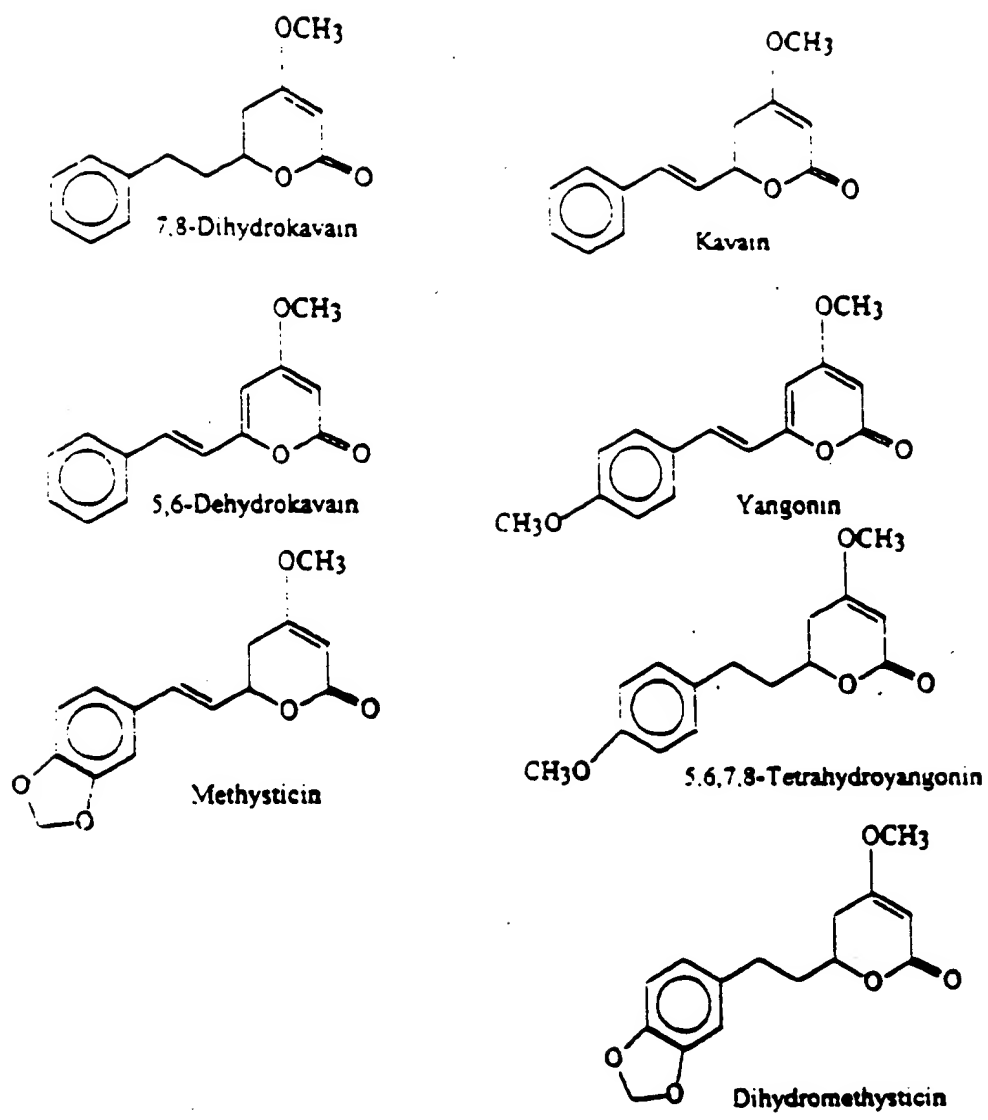


Figure 24

009350 84987560



000000 54887560

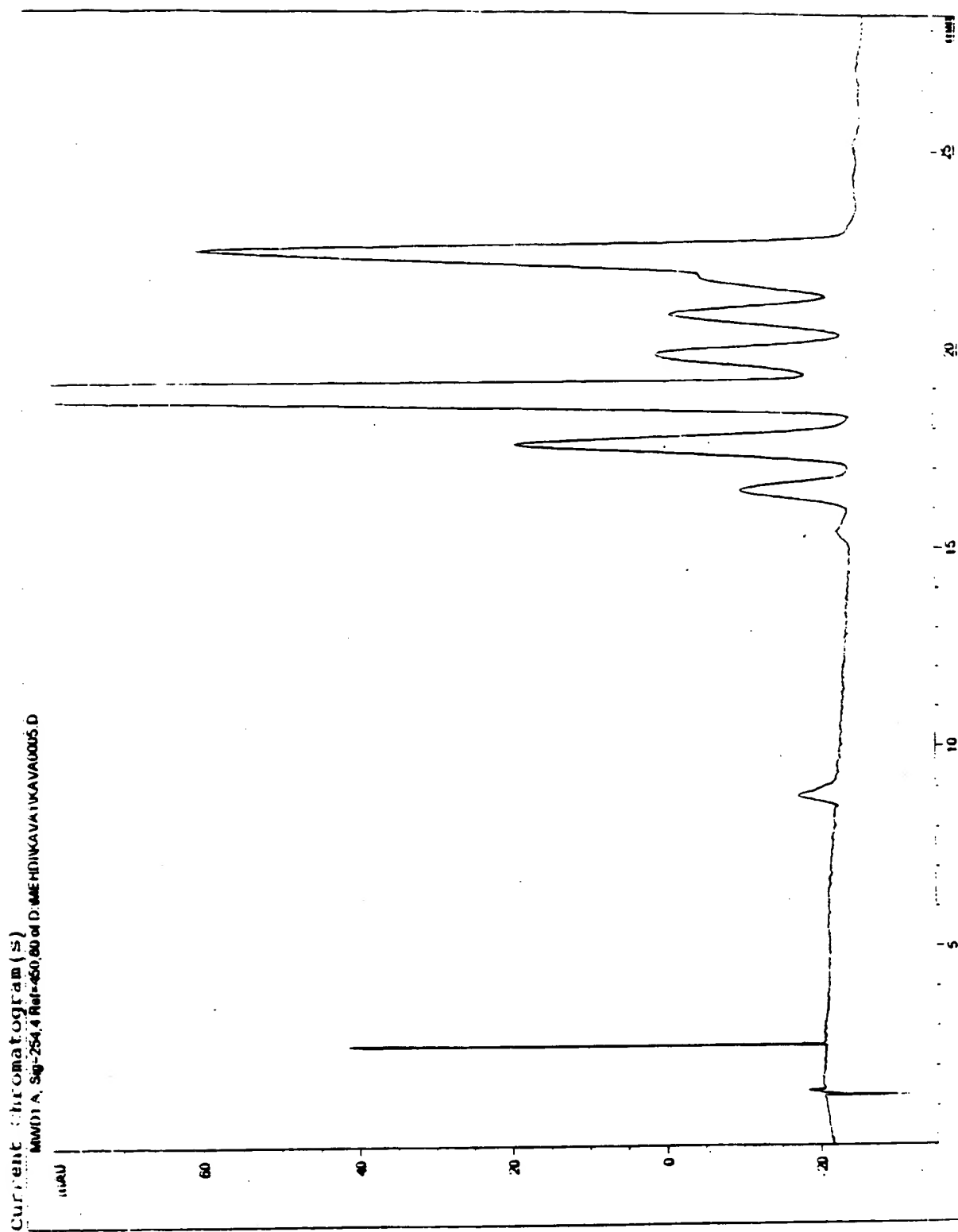


Fig. 25

Current Chromatogram(s)  
MWD1 A, Sg-254, 4 Ref-450, 60 of D:\MEHND\KAVA1\KAVA0006.D

The chromatogram displays detector response (mAU) over time (s). Key features include:

- A very sharp, high-intensity peak at approximately 2.5 seconds, reaching nearly 100 mAU.
- A cluster of smaller peaks between 15 and 21 seconds, with the most prominent one at approximately 18.5 seconds (reaching ~25 mAU).
- A baseline that is relatively flat between 5 and 15 seconds.

Fig. 26

009250" 6488/550

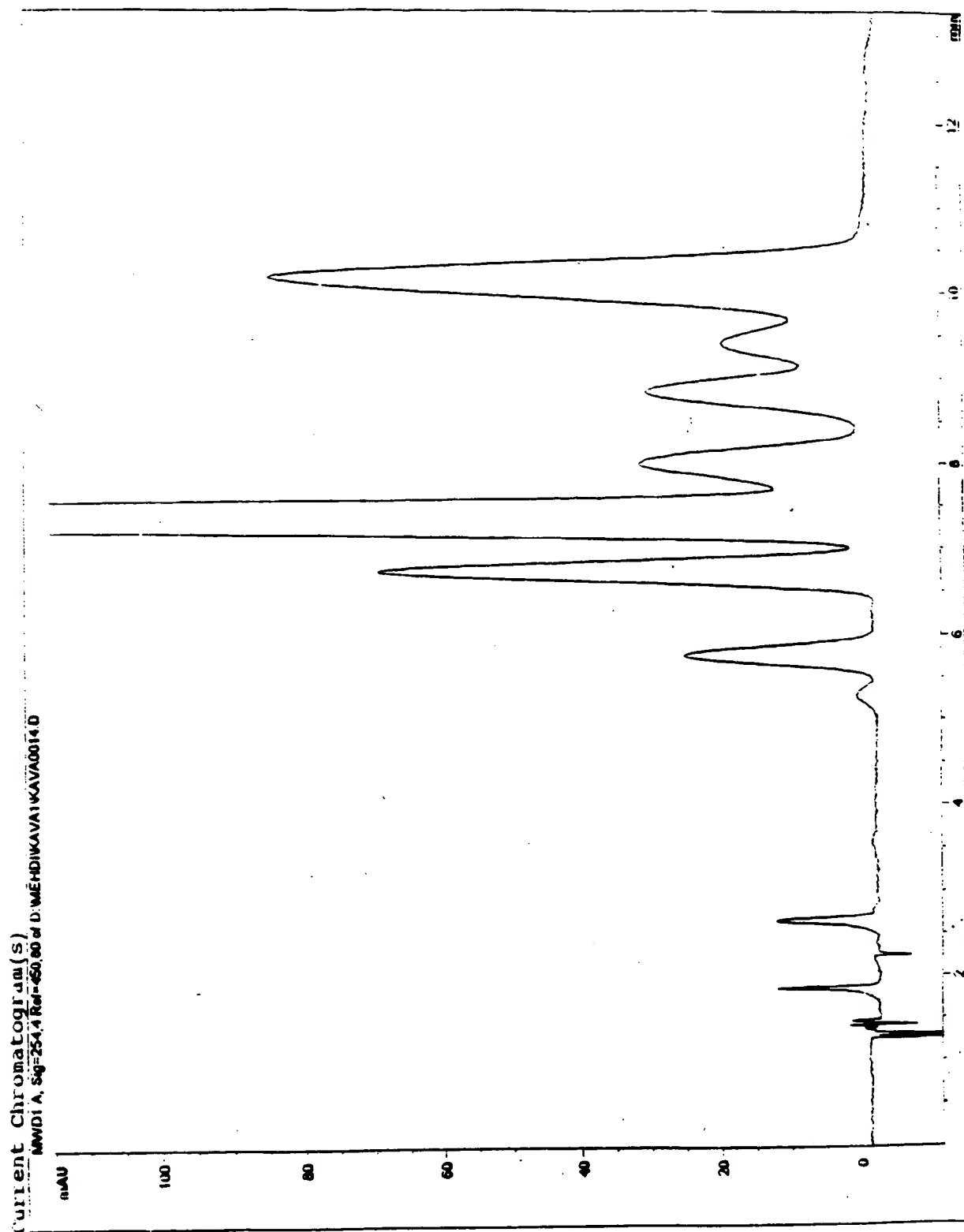


Fig 27

Current chromatogram(s)  
 LAM016.S 50.254 4.14 4.60 40.0 of D:\L1\HID\AVAC\4\KVI:40001.D

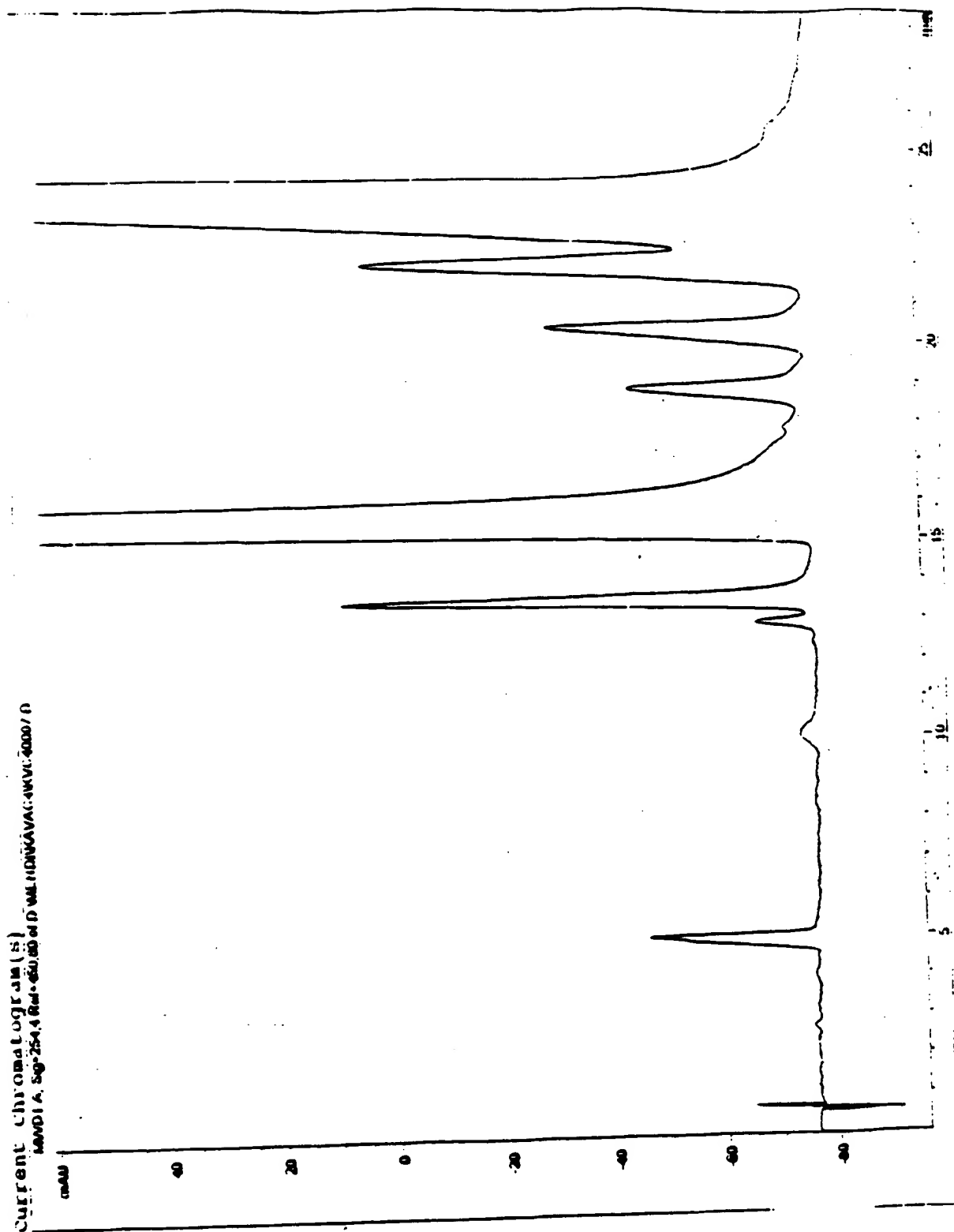


Figure 25

009250 54882560

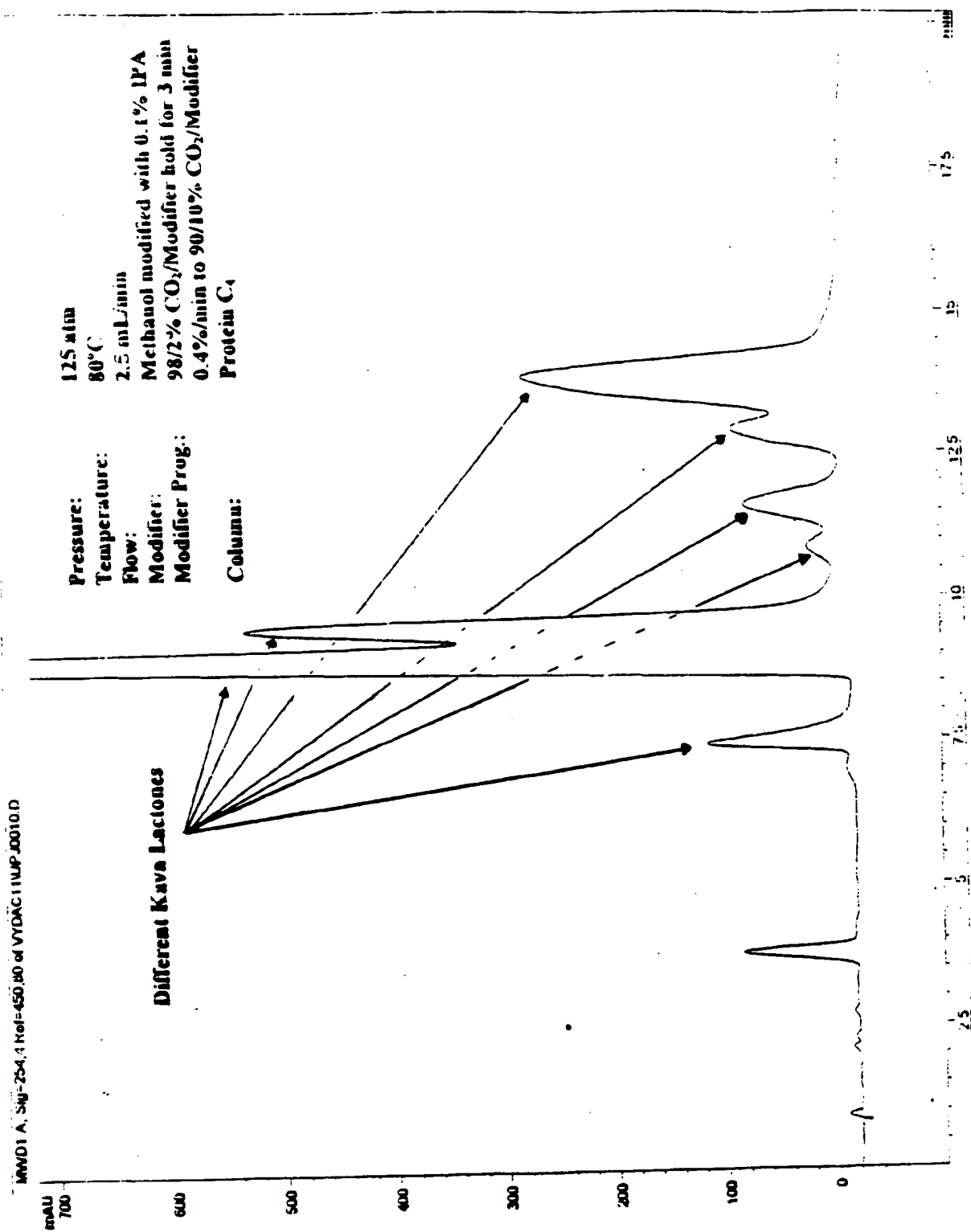


Fig. 29

000000" 5422250

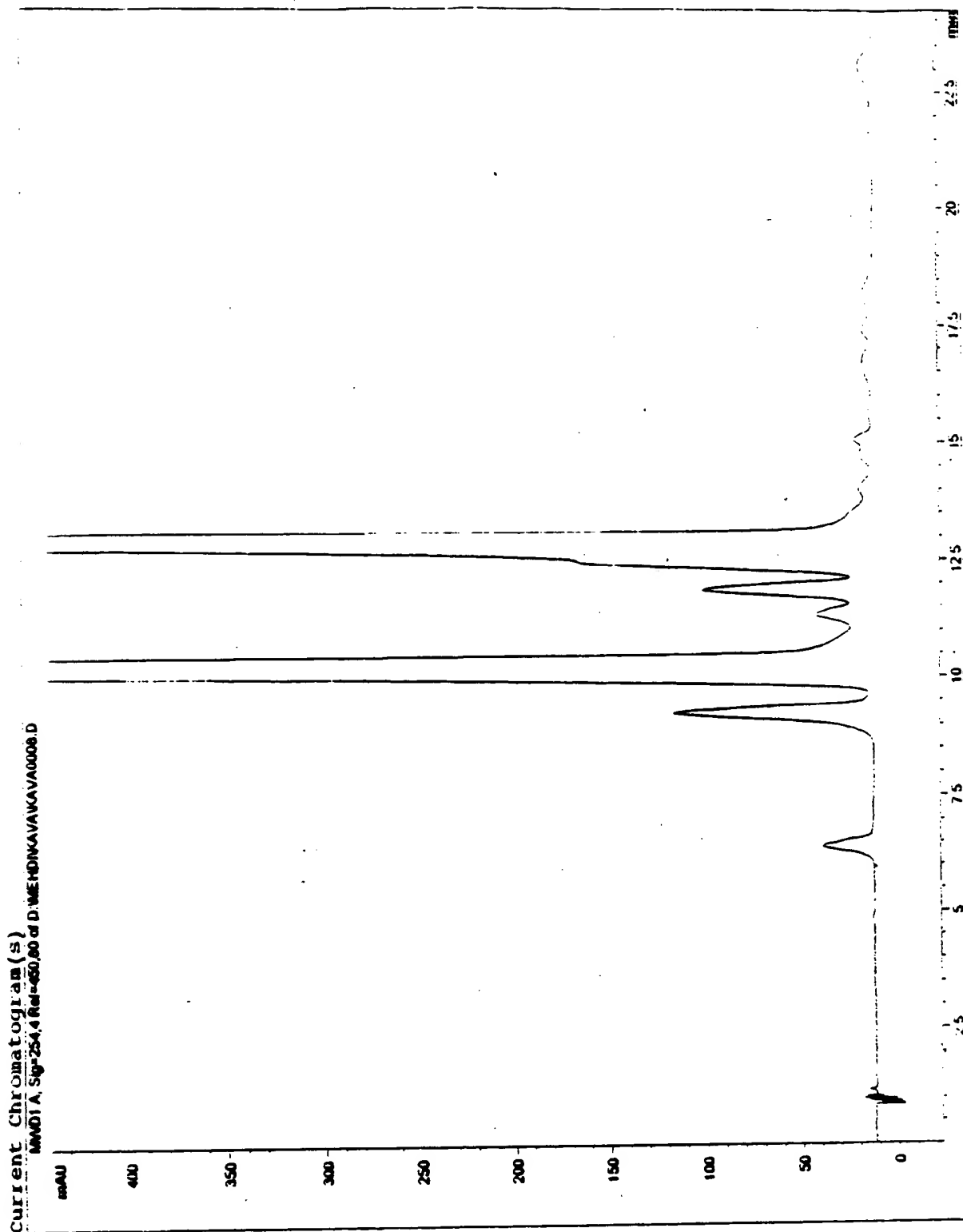


Fig. 30

Current Chromatogram (S)

Wavelength: 254 nm

Sample: 100% MeOH/KAVAI

Time: 0.00 to 2.00 min

Y-axis: AU (Absorbance Units)

X-axis: Time (min)

Peak Data (Approximate):

Time (min)	AU (Absorbance Units)
0.5	~75
1.0	~70
1.5	~70
1.8	~75

Fig. 31

003350" 64882560

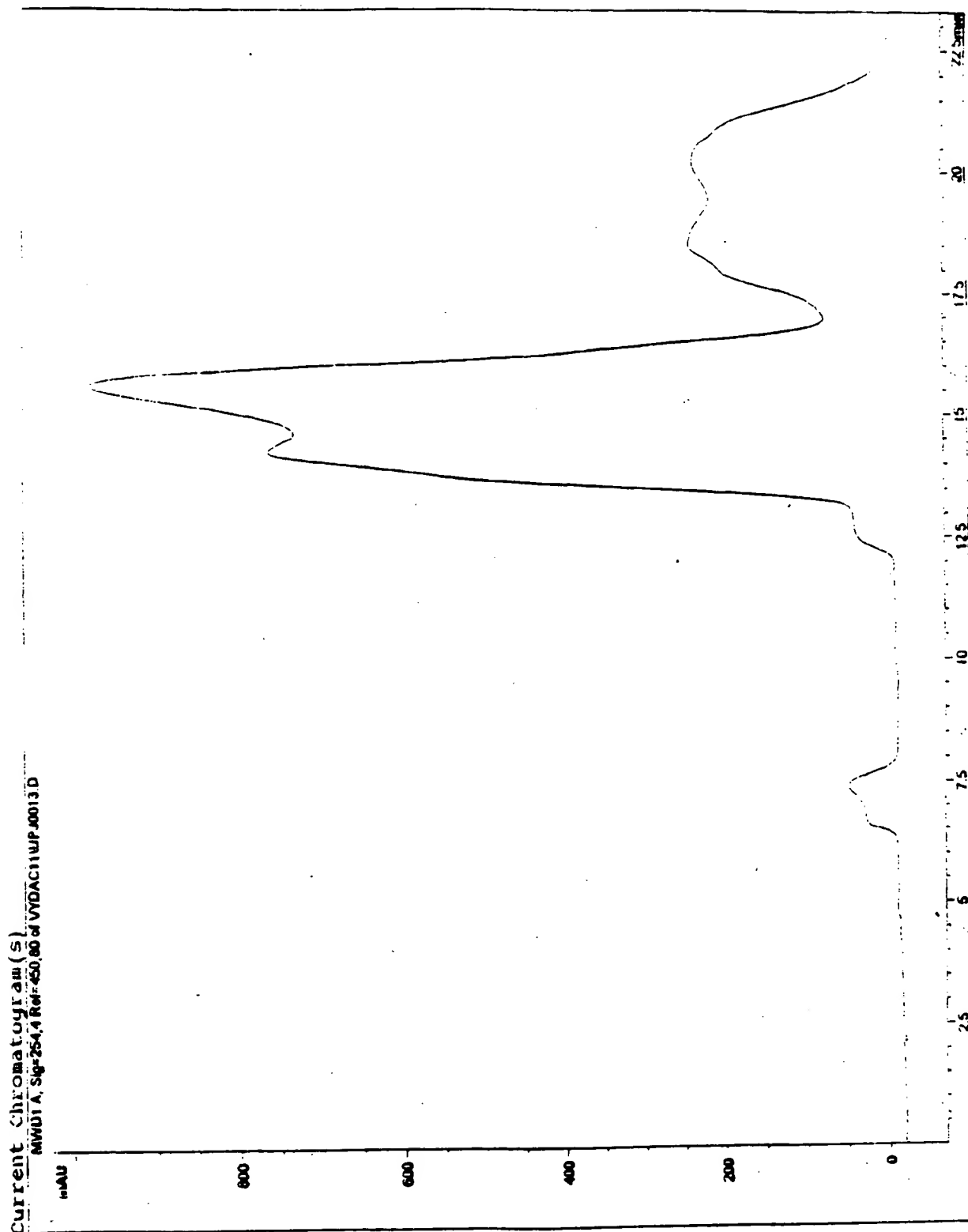


Fig. 32



000000 64882550

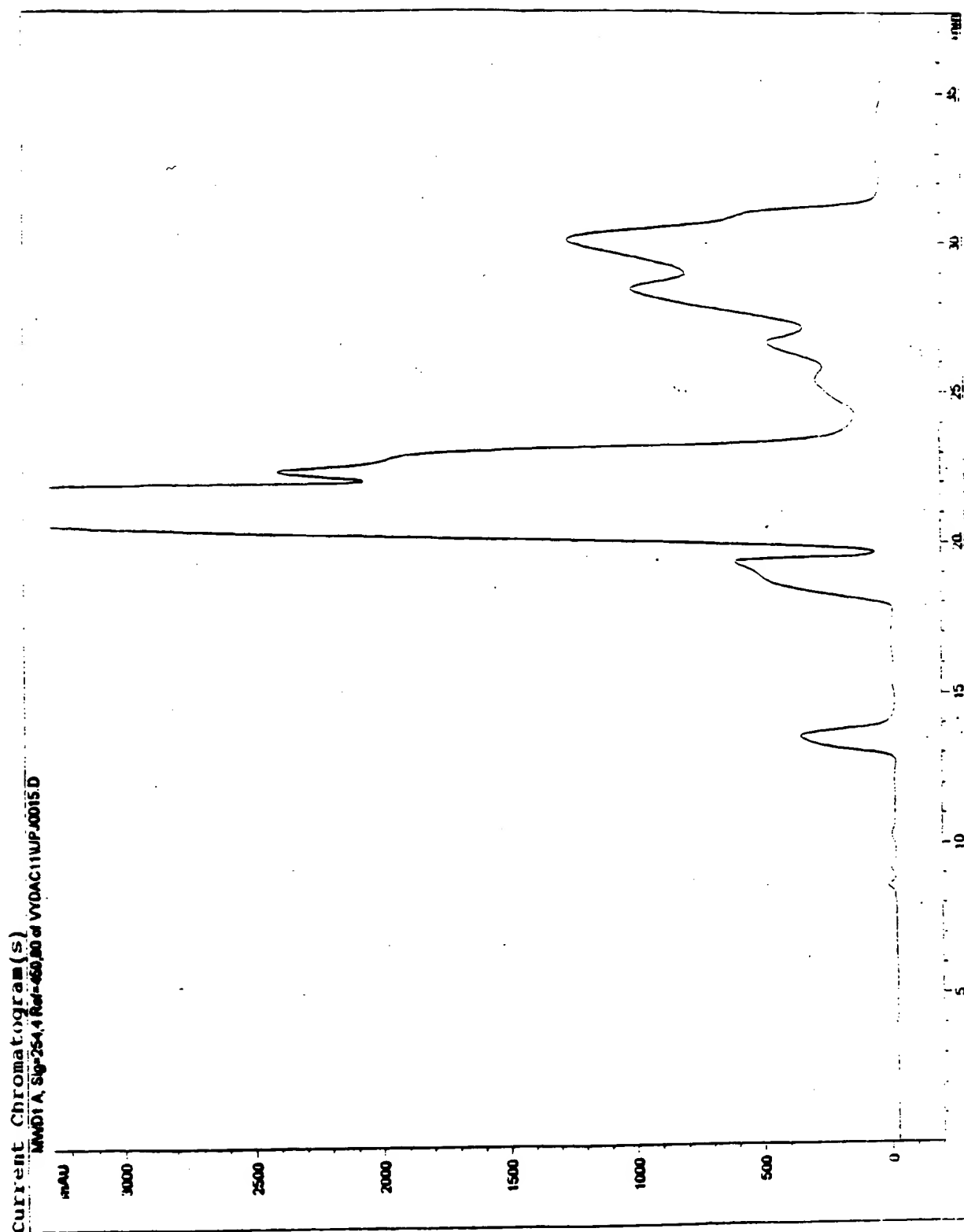


Fig. 33